

COURSE NO. FH4010-4

NOS ANALYSIS

STUDY DUMP

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25
     DIO
                PP (0000)
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                                                                              DEADSTART I/O PROCESSOR.
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                    SUM =
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                                         2751 79/06/20. 78/04/10. 79/05/09. INITIALIZE SYSTEM.
28
     CMR
                PP (1462)
                              1054
                                         4061 79/06/20. 78/04/10. 79/05/09. SET - SET SYSTEM CONFIGURATION.
29
     CHRINST
               TEXT
                               733
                                         2775
     CMRDECK
               TEXT
                               321
                                         4163
                CMRDECK
                NAME= (0) CYBER 174 S/N 620 CLSH.
                VERSION=NOS 1.4-501/498.
                MID=62.
               NCP=24.
               FNT-1756.
                CM=7777.
               EQ01=DQ-1,0N,0,42,5,7.
                                              SYSTEM, TEMP
               EQ02=DQ-1, DN, 0, 43, 5, 7.
                                              SYSTEM, TEMP
               EQ04=DI-1, DN, 0, 6, 21, 20. TEMP
               EQ05=DI-1,ON,0,16,20,21. TEMP
               EQ06=DK-2,DN,4,26,20,21.
                                              PF/40
               EQ07=DI-N3,ON,0,24,34,44,22,24.
               EQ10=DS.ON.7.0.10.
               EQ11=DJ-1,0N,0,2,23,24.
                                              RMVE
               EQ12=DQ-1,ON,0,40,7,5.
                                              PF/42
               EQ13=DQ-1,0N,0,41,5,7.
                                              PF/43
               EQ14=DJ-N2, ON, 0, 3, 4, 21, 20.
                                              PF/44
               EQ15=DI-1,ON,0,5,23,24.
               EQ16=DI-1,ON,0,6,23,24.
               EQ17=DI-1,0N,0,4,23,24.
               EQ20-DI-1,0N,0,54,24,22.
                                              RMVE
               EQ21=DI-1,0N,0,64,22,24.
                                              RMVE
               EQ22=DJ-1,0N,0,0,22,23.
                                              FMD DRIVE FOR TESTING
               EQ23=D1-1,0N,0,35,22,23.
                                              RMVE
```

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EQ24=DJ-1, UN, 0, 1, 24, 22.
                               RMVE
EQ27=DJ-1,ON,0,3,22,23.
                               RMVE
EQ30=DK-1,0N,0,46,20,21.
                               RMVE, FT.
EQ32=DI-1.0N.0.7.23.24.
                               RMVE
EQ33-DJ-1,0N,0,5,20,21.
                               RMVE
EQ34=DJ-1, ON, 0, 0, 7, 5.
                               RMVE
EQ35=DJ-1,0N,0,1,5,7.
                               RMVE
EQ36*DI-1,0N,0,14,22,24.
EQ37=DI-1,ON,0,15,22,23.
EQ40=TT, OFF, 7, 2, 0, , 30.
                               TRANEX STIMULATOR
EQ41=TT, DFF, 0, 1, 0, 0, 100.
                               STIMULATOR
EQ42=TT, ON, 2,, 2,, 100.
                               2550-100 (6676 EMULATOR)
EQ43=ST, OFF, 7,,4.
                               6671
EQ44=NP, ON, 7, 1, 1, , 2.
                               NPU NODE3
EQ45=NP, OFF, 7, 1, 6, , 2.
                               LOCAL/REMOTE NPU NODE7
EQ46=SE, ON, 7,,4.
                               STEM 6671 S/N 183.
EQ47=CR, ON, 4,, 12.
EQ50=MT-7,0N,0,0,13,32,,,20.
EQ60=MT-7,0N,4,0,31,33,,,10.
                                67X
EQ70=CP.ON.7.,12.
EQ71=LP,ON,3,,12.
                             512
EQ72=LP, ON, 2,, 12.
EQ73=LT-6,0N,5,,12.
                              580 UPPER/LOWER CASE
EQ74-LS-1P, ON.6, 12.
                              580-20 PFC
PF=6,F,140,140,NOSCLSH,40.
PF=7,F,010,010,NOSCLSH,41.
PF=12,F,003,003,NOSCLSH,42.
PF=13,F,200,200,NOSCLSH,43.
PF=14,F,024,024,NOSCLSH,44.
TEMP=1,2,4,5.
REHOVE=11,15,16,17,20,21,22,23,24,27,30,32,33,34,35,36,37.
FAMILY=13.
SYSTEM=1.2.
NAMIAF=102.
TEXT
                154
                          1731
CMRDCKI
NAME=(1) CYBER 175 SN/01 (FILES):
VERSION=NOS 1.4-501/498.
MID=01.
NCP=27.
EQ1=DK-1,ON,0,2,20,23.
                              SYSTEM, TEMP, FULL TRACK
EQ2-DK-1,0N,0,3,20,23.
                             SYSTEM, TEMP, FULL TRACK
EQ3=DI-1,0N,0,57,00,02.
                              FAMILY
EQ4-DJ-1,0N,0,2,00,02.
                              REMOVABLE
EQ5=DJ-1,0N,0,3,00,02.
                             REMOVABLE
EQ6=DJ-1, ON, 0, 4, 00, 02.
                             REMOVABLE
EQ7=DJ-1,0N,0,1,00,02.
                             REMOVABLE
EQ10=DS,ON,7,0,10.
EQ11=DI-1,0N,0,37,00,02.
                             REMOVABLE
EQ12=DI-1,0N,0,47,00,02.
                             REMOVABLE
EQ13=DI-1,0N,0,27,00,02.
                             REMOVABLE
EQ14=D1-1, ON, 0, 17, 00, 02.
                             REMOVABLE
EQ15=DM-1, DN, 0, 42, 7.
                             TEMP
E016=DM-1,0N,0,43,7.
                             TEMP
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CMRDCK1

EQ20=CR, ON, 4, 0, 11.

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                 EQ21=CP, ON, 5, 0, 12.
                 EQ22=LR,ON,1,0,12.
                 E023=LQ,ON,2,0,12.
                 EQ24=LR, DN, 7, 0, 12.
                 EQ25=LP, ON, 6, 0, 11.
                 EQ30=TT, ON, 6, 0, 27, 0, 20.
                 EQ31=TT, DN, 7, 1, 27, 0, 100.
                 EQ32=TT,OFF,7,2,25,0,100.
                 EQ33=ST,OFF,6,0,4.
                 EQ35=NP, ON, 7, 1, 5, , 2.
                                            NPU NODE3
                 EQ50=MT-10, ON, 0, 0, 13, , , , 20.
                 EQ60-MT-7,0FF,0,0,32,,,,10.
                 TEMP=1,2,15,16.
                 FAMILY=3.
                 REMOVE=4,5,6,7,11,12,13,14.
32
      CMRDCK2
                 TEXT
                                 237
                                           3604
                 CMRDCK2
                 NAME=(2) CYBER73 172. DEV.
                 VERSION=NOS 1.4-501/498.
                 MID=72.
                 NCP=27.
                 LIB=1.
                 EQ1=DJ-1+0N+0+6+26+32.
                                             SYSTEM, TEMP
                EQ2=DJ-1,0N,0,7,26,32.
                                             SYSTEM, TEMP
                 EQ3=DJ-1,0N,0,1,26,32.
                                             TEMP
                 EQ4=DI-1, ON, 0, 2, 26, 32.
                                             REMOVABLE
                EQ5=DI-1,0N,0,3,26,32.
                                             REMOVABLE
                 EQ6=D1-1,0N,0,4,26,32.
                                             REMOVABLE
                 EQ7=DI-1, ON, 0, 5, 26, 32.
                                             FAMILY
                 E010=DS, ON, 7,, 10.
                 EQ11=DP.ON,400.30.
                                             ASR ROLLOUT
                 EQ20=CR,ON,4,,12.
                 EQ21=CP,ON,5,,12.
                 EQ22=LP, 0N, 6, , 12.
                                             580
                 EQ23=LT-1,0N,7,,12.
                                             580-20
                 EQ24=LP,ON,3,,12.
                                             512
                 EQ30=TT, 0N, 7, ,4, ,20.
                                             6671
                 EQ31=TT, ON, 7, ,6, ,40.
                                             6676
                EQ32=TT,OFF,6,1,0,,310.
                                             TELEX STIMULATOR - 200 TERMINAL
                EQ33=TT,OFF,6,1,0,,226.
                                             TELEX STIMULATOR - 150 TERMINAL
                EQ34=NQ,OFF,7,1,1,,3.
                                             2550 S/N 121 NODE3
                EQ35=NP,OFF,7,1,3,,3.
                                             2550 S/N 101 NODE2
                 EQ36=SE,OFF,7,3,4.
                                             STEM 6671 S/N 113
                 EQ37=SE,OFF,7,3,5
                                             STEM 6671 S/N 230
                EQ40=TS,OFF,2,0,25,0,100.
                                            6676 STIMULATOR - 100 TERMINALS
                EQ41=TS,OFF,7,0,2,0,100.
                                            6676 STIMULATOR - 100 TERMINALS
                EQ42=NP,OFF,7,1,11,0,2.
                                            2550 STIMULATOR S/N 102/112
                EQ46=ST,OFF,7,,5.
                                             REMOTE BATCH
                 EQ47=TT,OFF,4,2,0.
                                             TRANEX STIMULATOR
                 EQ60*MT-6, ON, 0, 0, 33, 31, , , 20. 66X
                E970-SC, ON, 7, 2, 27.
                                            211
                EQ71=SC, ON, 7, 1, 27.
                                             211
                EQ72=SC, UN, 6, 2, 27, , 4.
                                             211
                EQ73=SC, ON, 6, 1, 27, , 4.
                                             211
```

E976=TE,0N,,,0.

TEMP=1,2,3. REMOVE=4,5,6. FAMILY=7. ASR=11. UEC=200. SYSTEM=1.2.

REC

CMRDCK3 TEXT 343

EQ72=LP, ON, 2,, 12.

5772 CMRDCK3 NAME = (3) CYBER 174 S/N 620 CLSH MMF. VERSION=NOS 1.4-501/498. MID=62. NCP=24. LIB-1. FNT-1756. CM=77777. EQ1=DQ-1,0N,0,42,5,7. EQ2=DQ-1, ON, 0, 43, 5, 7. EQ4-DI-1, ON, 0, 6, 21, 20. TEMP EQ5=DI-1, ON, 0, 16, 20, 21. TEMP EQ6-D1-2,0N,4,26,20,21. EQ7=DI-N3, ON, 0, 24, 34, 44, 22, 24. PF/41 EQ10=DS,ON,7,0,10. EQ11=DP, ON, 400, 30. LINK, ASR EQ12=DM-1, ON, 0, 40, 7, 5. PF/42 EQ13=DM-1,0N,0,41,5,7. PF/43 EQ14=DJ-N2.ON,0,3,4,21,20. PF/44 EQ15=DI-1,0N,0,5,23,24. REMOVE EQ16=DI-1, ON, 0, 6, 24, 23. REMOVE EQ17=DI-1,ON,0,4,23,24. REMOVE EQ20=DI-1,0N,0,54,24,22. REMOVE EQ21=DI-1,0N,0,64,22,24. REHOVE EQ22=DJ-1,ON,O,O,22,23. FMD DRIVE FOR TESTING EQ23=D1-1,ON,0,35,22,23. REMOVE EQ24=DJ-1, DN, 0, 1, 24, 22. REMOVE EQ27=DJ-1,0N,0,3,22,23. REMOVE EQ30=DI-1,UN,0,46,20,21. REMOVE EQ32=DI-1,ON,0,7,23,24. REMOVE EQ33=DJ-1,0N,0,5,20,21. REMOVE EQ34=DJ-1, ON, 0, 0, 7, 5. RMVE EQ35=DJ-1,ON,0,1,5,7. RMVE EQ36=DI-1,0N,0,14,22,24. RMVE EQ37=DI-1, ON, 0, 15, 22, 23. RMVE E940-TT, OFF, 7, 2, 0, , 30. TRANEX STIMULATOR EQ41=TT,OFF,0,1,0,0,100. STIMULATOR. EQ42=TT, ON, 2, ,2, , 100. 2550-100 (6676 EMULATOR) EQ43=ST, OFF, 7,,4. 6671 EQ44=NP, QN, 7, 1, 1, 1, 2. NPU NODE3 EQ45=NP, OFF, 7, 1, 6, , 2. LOCAL/REMOTE NPU NODE7 EQ46=SE, ON, 7,,4. STEM 6671 S/N 183. E947=CR,UN,4,,12. EQ50=MT-7,0N,0,0,13,32,,,20. 66X EQ60=MT-7,0N,4,0,31,33,,,10. 67X EQ70=CP,ON,7,,12. EQ71=LP, 0N, 3,, 12. 512

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                EQ73=LT-6, ON, 5, , 12.
                                           580 U/L CASE
                EQ74=LS-1P,ON,6,,12.
                                           580-20 PFC
                PF-6,F,140,140,NOSCLSH,40.
                PF=7,F,010,010,NOSCLSH,41.
                PF=12.F.003.003.NOSCLSH.42.
                PF=13,F,200,200,NOSCLSH,43.
                PF=14,F,024,024,NOSCLSH,44.
                TEMP=1,2,4,5.
                REMOVE=15,16,17,20,21,22,23,24,27,30,32,33,34,35,36,37.
                FAMILY=13.
                LINK-11.
                SHARE=12,6,7,11,13,14,15,16,17,22,4,5,24.
                SHARE=20,21,23,27,30,32,33,34,35,36,37.
                UEC=30,72.
                UEC=30,62.
                ASR=11.
                PF=11,F,377,377,LINK,62.
                NAMIAF=102.
                SYSTEM=1.2.
34
     CMRDCK4
               TEXT
                               311
                                        0664
                CMRDCK4
                NAME=(4) CYBER73 172. CLSH MMF.
                VERSION-NOS 1.4-501/498.
                MID=72.
               LIB-O.
                NCP=24.
               FNT=1756.
               EQ1=DJ-1, ON, 0, 7, 26.
                                        SYSTEM. TEMP
               EQ2=DJ-1,0N,0,1,26.
                                        SYSTEM. TEMP
               EQ4-DI-1,0N,0,6,21,20. TEMP
               EQ5=DI-1,0N,0,16,20,21. TEMP
               E96=DI-2,0N,4,26,20,21.
                                           PF/40
               EQ7=D1-N3,ON,0,24,34,44,22. PF/41
               EQ10=DS, ON, 7, 0, 10.
               E011=DP, ON, 400, 30.
                                           LINK, ASR
               EQ12=DM-1.0N,0,40,13,24.
                                           PF/42
               EQ13=DM-1,ON,0,41,24,13. PF/43
               EQ14=DJ-N2+ON+O+3+4+21+20. PF/44
               EQ15=DI-1,ON,0,5,23.
                                      REMOVE
               EQ16=DI-1,0N,0,6,23.
                                       REMOVE
               EQ17=DI-1,UN,0,4,23.
                                       REMOVE
               EQ20=DI-1,0N.0.54.22.
                                        REMOVE
               EQ21=DI-1.0N.0.64.22.
                                        REMOVE
               E022=DJ-1,0N,0,0,22,23.
                                          REMOVE
               EQ23=DI-1,ON,O,35,22,23.
                                           REMOVE
               E024=DJ-1,0N,0,1,22.
                                         REMOVE
               EQ27=DJ-1,0N,0,3,22,23.
                                           REMOVABLE
               EQ30=DI-1.0N,0,46,20,21. REMOVE
               EQ32=DI-1,ON,0,7,23.
                                         REMOVE
               E033-DJ-1,0N,0,5,20,21.
                                         REMOVE
               EQ34=DJ-1,ON,0,0,13,24.
                                           RMVE
               EQ35=DJ-1,0N,0,1,13,24.
                                           RMVE
               EQ36=DI-1,0N,0,14,22.
                                         RMVE
               E037=D1-1,0N,0,15,22,23. RMVE
               EQ40=TT, UFF, 7, 2, 0, , 30.
```

TRANEX STIMULATOR

QUEUE, EI, RO, OP3400, LP1400, UP4006. QUEUE, EI, OT, OP200, LP100, UP7600. SERVICE, EI, PR30, CP400, CM200. QUEUE, TX, IN, OP4000, LP3770, UP7006.

CATALOG OF DS FILE 1 79/10/31. 08.56.15. PAGE 7 REC NAME TYPE LENGTH CKSUM DATE COMMENTS QUEUE, TX, RO, OP4004, LP3740, UP7000. QUEUE, TX, OT, OP200, LP100, UP7000. SERVICE.TX,PR30,CP40,CM10. QUEUE, MT, IN, DP6774, LP6700, UP7400. QUEUE, MT, RO, OP6774, LP4000, UP7400. QUEUE, MT, OT, OP6000, LP100, UP7700. SERVICE.MT.PR31.CP400.CN60. QUEUE, NS, IN, OP7374, LP7360, UP7500. QUEUE, NS, RO, OP7374, LP7350, UP7500. QUEUE,NS,OT,OP500,LP100,UP7700. SERVICE, NS, PR73, CP400, CM200. DELAY, JS1, CS10, AR1000. DSD,O,MAIXX.QREC(NK) DSD,3,AUTO. SCP. MS VALIDATION. PF VALIDATION. SRST=40. PPR 40 PP (0000) 143 2576 79/06/20. 79/05/10. 79/06/20. PP RESIDENT. 41 STL PP (1100) 244 1533 79/06/20. 79/05/10. SYSTEM TAPE LOADER. MTR 42 PP (0000) 1434 1263 79/07/26. 79/05/10. 79/07/26. PPU MONITOR. 43 CPUMLD REL 763 1622 79/06/20. 79/05/10. 75/02/17. CPUMTR LOADER. CPUMLD 44 CPUMTR REL 12105 0251 79/07/26. 79/05/10. 79/07/26. CPU MONITOR. **CPUMTR** DSD 45 PP (0000) 1462 3335 79/06/20. 79/05/10. SYSTEM DISPLAY. 46 RSL PP (1504) 57 7672 79/06/20, 79/05/10, STL - LUAD RESIDENT SYSTEM LIBRARY. 47 RMS PP (1210) 473 1051 79/07/10. 79/05/10. 79/07/10. MSM - MASS STORAGE RECOVERY MANAGER. 48 REC PP (1100) 713 0660 79/06/20. 78/01/18. SYSTEM RECOVERY PROCESSOR. 49 100 PP (1511) 5327 79/06/20. 79/05/10. 79/06/20. PPR - DUMP DAYFILE BUFFER. 54 50 1 MA PP (1100) 147 5503 79/06/20. 78/04/10. 79/05/09. MONITOR AUXILLARY PROCESSOR. 51 2MB PP (2124) 2347 79/06/20. 78/04/10. 79/05/09. 2MB - ECS STORAGE REQUEST PROCESSING. 74 52 2MA PP (2124) 174 79/06/20. 78/04/10. 79/05/09. 2MA - SYSTEM CP FACILITY PROCESSOR. 5031 53 1MB PP (1100) 37 4332 79/06/20. 79/05/10. 1MB - INITIAL SCR PROCESSOR. 54 1 MC PP (1100) 6 4167 79/06/20. 79/05/10. MONITOR PARITY ERROR REPORTING. 55 2MC PP (1100) 67 3366 79/06/20. 56 2MD PP (1211) 301 1116 79/06/20. 79/05/10. 1MB - SECONDARY SCR PROCESSOR. 57 CIO PP (1100) 340 3122 79/07/05. 78/04/10. 79/07/05. COMBINED INPUT/OUTPUT. 58 OBF PP (0000) 76 7431 79/06/20. 78/04/10. 79/05/09. BEGIN FILE. 59 OBP PP (00001 515 79/06/20. 78/04/10. 79/05/09. 76/10/06. OBP - LOAD BANNER PAGE. 3215 ODF 60 PP (0000) 113 1576 79/06/20. 79/05/10. DROP FILE. 61 OF A PP (0000) 24 1600 79/06/20. 76/01/11. 79/05/09. RELEASE FAST ATTACH PERMANENT FILE. 62 ORF PP (0000) 79/06/20. 78/04/10. 79/05/09. UPDATE RESOURCE FILES. 75 4103 63 ORP PP (0000) 72 2530 79/06/20. 79/05/10. RELEASE PERMANENT FILE. 64 2CA PP (3234) 62 7623 79/07/05. 78/04/10. 79/07/05. CID - IDENTIFY SPECIAL REQUEST. 65 2CB PP (1605) 121 3172 79/07/05. 78/04/10. 79/07/05. CIO - READ MASS STORAGE. 66 2CC PP (2427) 175 79/07/05. 78/04/10. 79/07/05. CIU - SPECIAL MASS STORAGE READS. 67 SCD PP (1605) 375 79/07/05. 78/04/10. 79/07/05. CIO - HRITE MASS STORAGE. 4500 68 2CE PP (4367) 34 79/07/05. 78/04/10. 79/07/05. CIO - SPECIAL MASS STORAGE WRITES. 3360 69 2CF PP (3234) 242 0446 79/07/05. 78/04/10. 79/07/05. CIO - PUSITION MASS STORAGE. 70 2CG PP (4367) 336 5170 79/07/05. 78/04/10. 79/07/05. CIO - CLOSE MASS STURAGE. 71 **2CH** PP (1605) 20 3007 79/07/05. 78/04/10. 79/07/05. CIO - TERMINAL INPUT/OUTPUT. 72 2C I PP (1605) 54 2201 79/07/05. 78/04/10. 79/07/05. CIO - MAGNETIC TAPE OPERATIONS. 73 2CJ PP (3234) 53 7262 79/07/05. 78/04/10. 79/07/05. CIO - MULTI-FILE LABEL PROCESSOR. 74 2CK PP (4602) 132 4736 79/07/05. 78/04/10. 79/07/05. CIO - ERROR PROCESSOR.

	CATALOG O	IF DS	FILE	1			79/10/31	. 08.56.15.	PAGE	8
REC	NAME	TYPE	LENGTH	CKSUM	DATE	COMMENTS				-
75	2CL	PP (4632)		3156				CIO - 155UE DA		
76	4DA	PP (3005)		0513			79/07/10.	MSM - RECOVER		FILES.
77	40D	PP (4433)		1772		78/01/18.		REC - RECOVER		
78	4DE	PP (4433)		1036		78/01/18.		REC - ALLOCATE		
79	4DB	PP (3470)		5722				MSH - DEVICE F		
80	4DC	PP (5107)		5726				MSM - VALIDATE		
81 82	4DF	PP (5107)	101 232	1606 4375				MSM - UPDATE I		
83	4DG 4DH	PP (5107) PP (5107)		0221				MSH - DEVICE F		
84	6DE	PP (0556)		1300		79/05/10.		6DE - ECS DRIV		IION KUUIINES.
85	7DE	PP (7661)		0231		79/05/10.		ECS ERROR PROC		
86	6D I	PP (0556)		3673			79/06/14-	6DI - 7155-7X		MAIN DRIVER-
87	7D I	PP (7500)		0767						ERROR PROCESSOR.
88	7W I	PP (7737)		1624						WRITE ERROR PROC
89	751	PP (7567)		2661						STATUS PROCESSOR
90	110	PP (0000)		1667						TRACK FLAW PROCE
91	1 90	PP (0000)		0370						PACK SERIAL PROC
92	OC I	PP (0000)		2313						FIRMWARE IDENT P
93	7EP	PP (7574)	34	2240				7EP - DISK ERF		
94	6MD	PP (0556)	52	3742		79/05/10.		3553-1/841-N (		
95	7HD	PP (7546)	40	7462	79/06/20.	79/05/10.		3553-1/841-N E	RROR PROC	ESSOR.
96	6DP	PP (0556)	52	4241	79/06/20.	79/05/10.	79/06/14.	DDP/ECS DRIVER	l •	
97	7DP	PP (7512)	46	7702	79/06/20.	79/05/10.	79/06/14.	DDP/ECS ERROR	<b>PROCESSOR</b>	•
98	7MP	PP (7562)	36	3004	79/06/20.	79/05/10.	79/06/14.	DDP/ECS ERROR	MESSAGE PI	ROCESSOR.
99	7RP	PP (7620)		2256						ERROR PROCESSOR.
100	7SP	PP (7567)	35	3644			79/06/14.	DDP/ECS SINGLE		
101	9AY	PP (6227)	37	4322		79/05/10.				CHARACTERS A-C.
102	9AZ	PP (6227)	31	0506		79/05/10.				CHARACTERS 0-+.
103	940	PP (6227)	17	7016		79/05/10.				LE - *EN* COMMAND
104	9A1	PP (6227)	50	4233		79/05/10.				LE - CHARACTERS B
105	9A2	PP (6227)	45	7753		79/05/10.				LE - CHARACTERS F
106 107	9A3 9A4	PP (6227) PP (6227)	45 20	0077	79/06/20.	79/05/10.				LE - CHARACTERS P
107	945	PP (6227)	20 37	1273						LE - CHARACTERS T
109	9A6	PP (6227)	51	4153		79/05/10.		DSD - CENTRAL		
110	9A7	PP (6227)	40	4370		79/05/10.		DSD - ECS MEMO DSD - CHANNEL		<b>3</b> •
111	CVL	PP (1100)	524	1327			79/07/12	COMMON VALIDAT		EACE EOD NOS
112	SLL	PP (1100)	1043	6024		79/05/10.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	SYSTEM LIBRARY		FACE FOR NOS.
113	BCL	PP (1421)	167	0207		79/05/10.		STL - BUFFER (		LOADER.
114	BCS	PPU (00)	3147	4577			RE MA710-4	13 (52706607)		EDRDER*
115	BCF	PPU (00)	3147	5672				-A05 (24616082)		1
116	FMD	PPU (00)	5515	6640				-A01 (11897303)		
117	LSL	PP (1414)	71	5102		79/05/10.		STL - COPY SYS		
118	SYSEDIT	ABS	4311	6736	79/06/20.	76/10/24.	79/05/09.	SYSTEM LIBRARY		AGER.
	SYSEDIT	4155								
	RFL=	57160								
	-122	236								
119	LIBDECK	TEXT	237	0434						
		LIBDECK								
		+CH	PP/CIO,2CA,2			-,2CG,2CH,2	ec i			
		+CM	PP/1AJ,TCS,3	At, JAF,	LDK					
		*CM	PP/LDD,LDQ	05 005	ALV ADD AC					
		◆CH ◆CH	PP/1CK,1MA,0		UAY,UKP,OFA	N OK F				
		+CH	PP/LFM,3L8,3	によりましい						
		+CH	PP/RPV PP/1RI,3RH,1	202.00	300					
		- 011	/ LN1 7 JN119 L	4.14C.60V	77.4					

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CATALOG OF DS
                                  FILE
                                           1
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                                                                                                 PAGE
                                                                                                            9
REC
      NAME
                 TYPE
                             LENGTH
                                         CKSUM
                                                   DATE
                                                             COMMENTS
                 +CM
                           PP/PFM,3PA,3PB,3PD,3PG,3PI,3PK
                 +CM
                           PP/1TA-3TK-3TJ-1T0-2T0
                 +CM
                           PP/1MT.3MG.3MH.3ML.3MT
                 *CM
                           PP/1LS,1DC
                 +CM
                           PP/110,1SJ,1SP,QAC,3QS
                 +CM
                           PP/1DL,9A1,9A5,9A6,9A7
                                                          (DSD RELATED)
                 +CM
                           DVL/LDC
                 *PROC
                           LIBMOD, GENVAL, GENHELP, MOVEPF
                 *FL
                           ABS/FTN-6410,ABS/BASIC-6250,ABS/CDCS2-6565,ABS/DDLF-6540
                 *FL
                           ABS/NVF-42, ABS/DDL3-6540, ABS/PLI-6600, ABS/DHL-6540
                           ABS/FILE-6030, ABS/ALGOL-6500, ABS/ALGEDIT-6400, ABS/COBOL-6630
                 *FL
                 *FL
                           ABS/COPYCL-6370, ABS/COBOL5-6600, ABS/SIFT-6410, ABS/DDL-6540
                 +FL
                           ABS/ESTMATE-6370, ABS/SISTAT-6210, ABS/IXGEN-6650, ABS/DFRCY-6650
                 *FL
                           ABS/COPY8P-6200, ABS/SORTMRG-6600, ABS/QU-6600, ABS/REPORT-6420
                 +FL
                           ABS/ALGOL5-6450,F45-6600,FIN5-6520,CDCSBTF-6515
                 *FL
                           ABS/PMDMP-6410
                 *SC
                           ABS/REPORT, QUMIP, DDLF, DML, F45
                *SC
                           ABS/COMPASS, FILE, SYMPL, COBOL5, FIN5
                *SC
                           ABS/UPDATE, COPYL, ITEMIZE, DFRCV, DFRST
                *SC
                           ABS/ALGOL, COBUL, FTN, SIMULA, SORTMRG
                +SC
                           ABS/NDA, NDLP, LFG, REPORTR, SCRIPT, STIM, DLFP
                 *SC
                           ABS/COPYBP, QU, DDL, BASIC
                *SC
                           ABS/ESTMATE, SISTAT, IXGEN, ALGOL5
                *SC
                           DVL/RUN
                +SC
                           ABS/DDL3
                +SC
                           ABS/CDCS2,DBMSTRD,DBRCVR,DBQRFA,DBQRFI,CDCSBTF
120
     LIBDCK1
                TEXT
                                315
                                          5547
                LIBDCK1
                +CM
                           PP/1DC
                +CM
                           PP/CIO,1AJ,ODF
                +CM
                           PP/9A1,9A5,9A6,9A7 (DSD RELATED)
                +CM
                           PP/3MB (TAPE ERROR RECOVERY)
                *AD
                           11, PP/1DL
                *AD
                           11,PP/ORF,OFA,ORP,OBF,OAV,OAU
                # AD
                           11,PP/QAC,3QS
                *AD
                           11,PP/1CJ,1CK,TCS,LDR,1MA,2MA,3AA,3AB,3AD,3AE,3AF,3AG
                *AD
                           11,PP/LDD,LDQ
                *AD
                           11,PP/2CA,2CB,2CC,2CD,2CE,2CF,2CG,2CH,2CI
                *AD
                           11,PP/1RI,3RG,3RH,3RI,1RU,3RP,3RQ
                +AD
                           11.PP/LFM,3LB,3LF,3LG
                # AD
                           11,PP/PFM,3PA,3PB,3PD,3PE,3PG,3PH,3PI,3PK
                *AD
                           11,PP/RPV,CPM,3CA,3CB,3CC
                *AD
                           11,PP/1TA,3TC,3TD,3TE,3TK,3TF,3TJ,TLX,1TO,2TO
                *AD
                           11,PP/1MT,3MG,3MH,3MI,3ML,3MN,3MT
                * AD
                           11,PP/110,1SJ,1SP
                *AD
                           11.PP/1LS
                +AD
                           11.ABS/FILES.PFILES.CATLIST.CTL2.CTL3.EDIT.RESEX
                +AD
                           11, ABS/ACCFAM, MODIFY, LOADER, CHARGE, COPYB, RWF
                *AD
                           11,0VL/LDC
                +AD
                           11.ABS/COMPASS
                *AD
                           11, OVL/COMP3$, COMP3$A, MSDRT
                *PROC
                          LIBMOD, GENVAL, GENHELP, MOVEPF
                *FL
                           ABS/FTN-6410, ABS/BASIC-6250, ABS/CDCS2-6565, ABS/DDLF-6540
                           ABS/NVF-42,ABS/DDL3-6540,ABS/PLI-6600,ABS/DML-6540
                *FL
                +FL
                           ABS/FILE-6030, ABS/ALGOL-6500, ABS/ALGEDIT-6400, ABS/COBOL-6630
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CATALOG OF DS
                                 FILE
                                                                     79/10/31. 08.56.15.
                                                                                              PAGE
                                                                                                        10
REC
      NAME
                TYPE
                             LENGTH
                                        CKSUM
                                                  DATE
                                                           COMMENTS
                *FL
                           ABS/CUPYCL-6370,ABS/COBOL5-6600,ABS/SIFT-6410,ABS/DDL-6540
                *FL
                           ABS/ESTMATE-6370, ABS/SISTAT-6210, ABS/IXGEN-6650, ABS/DFRCV-6650
                           ABS/COPY8P-6200, ABS/SORTMRG-6600, ABS/QU-6600, ABS/REPORT-6420
                +FL
                *FL
                           ABS/ALGOL5-6450, F45-6600, FTN5-6520, CDCSBTF-6515
                +FL
                           ABS/PMDMP-6410
                *SC
                           ABS/REPORT, QUMIP, F45
                *SC
                          ABS/DDLF.DML
                *5C
                           ABS/COMPASS, FILE, SYMPL, CUBOL5, FTN5
                *SC
                           ABS/UPDATE.COPYL.ITEMIZE.DFRCV.DFRST
                           ABS/ALGOL, COBOL, FTN, SIMULA, SORTHRG
                +SC
                          ABS/COPY8P,QU,DDL,BASIC
                *SC
                *SC
                           ABS/NDA, NDLP, LFG, REPORTR, SCRIPT, STIM, DLFP
                +SC
                           ABS/ESTMATE, SISTAT, IXGEN, ALGOLS
                *SC
                           OVL/RUN
                +SC
                *SC
                           ABS/CDCS2,DBMSTRD,DBRCVR,DBQRFA,DBQRFI,CDCSBTF
      (00)
121
                    SUH =
                             63446
                                     LIBRARY =
122
      LAJ
                PP (1100)
                                140
                                         1030 79/06/20. 78/04/10. 79/05/09. ADVANCE JOB STATUS.
123
                PP (1100)
      LDR
                                 65
                                         0362 79/06/20. 78/04/10. 79/05/09. 1AJ - LOAD CENTRAL PROGRAM.
124
      TCS
                PP (1100)
                               1043
                                         5576 79/06/20. 78/04/10. 79/05/09. 1AJ - TRANSLATE CONTROL STATEMENT.
125
      3AA
                PP (1654)
                                403
                                         0270 79/06/20. 78/04/10. 79/05/09. 1AJ - BEGIN JOB.
126
      3AB
                PP (1654)
                                626
                                         3446 79/06/20. 78/04/10. 79/05/09. IAJ - PROCESS ERROR FLAG.
127
      3AC
                PP (4642)
                                24
                                         4702 79/06/20. 78/04/10. 79/05/09. 1AJ - SEARCH PERIPHERAL LIBRARY.
128
      3AD
                PP (1506)
                                77
                                         2571 79/06/20. 78/04/10. 79/05/09. 1AJ - SEARCH FOR OVERLAY.
                                         3017 79/06/20. 78/04/10. 79/05/09. 1AJ - LOAD COPY ROUTINES.
129
      3AE
                PP (4642)
                                303
130
      3AF
                PP (5063)
                                         0121 79/06/20. 78/04/10. 79/05/09. 1AJ - SPECIAL ENTRY POINT PROCESSING.
                                165
131
      3AG
                PP (1654)
                                236
                                         0055
                                               79/06/20. 78/04/10. 79/05/09. 1AJ - SEND RESPONSE TO SUBSYSTEM.
132
      3AH
                PP (5063)
                                12
                                         1572 79/06/20. 78/04/10. 79/05/09. 1AJ - RETURN SPECIAL USER FILES.
133
      1CJ
                PP (1100)
                                637
                                         2103
                                               79/06/20. 78/04/10. 79/05/09. COMPLETE JOB.
134
      181
                PP (1100)
                                355
                                         0646 79/06/20. 78/04/10. 79/05/09. ROLLIN JOB.
135
      3RG
                PP (5443)
                                105
                                         5541 79/06/20. 78/04/10. 79/05/09. 1RI - PROCESS SPECIAL ENTRY POINT JOBS.
136
      3RF
                PP (5443)
                                107
                                         6540 79/06/20. 78/04/10. 79/05/09. 1RI - PROCESS TERMINATION ERRORS.
                                         3553 79/06/20. 78/04/10. 79/05/09. 1RI - PROCESS TXOT JOBS.
137
      3RH
                PP (5443)
                                244
138
                                         7307 79/06/20. 78/04/10. 79/05/09. 1RI - NOTIFY SUBSYSTEM OF ROLLIN.
      3R I
                PP (5443)
                                14
139
      180
                PP (1100)
                                470
                                         7125 79/06/20. 78/04/10. 79/06/14. ROLLOUT JOB.
                                         2354 79/06/20. 78/04/10. 79/06/14. 1RO - PROCESS TXOT JOBS.
140
      3RP
                PP (4411)
                                403
                                         0630 79/06/20. 78/04/10. 79/06/14. 1RO - PROCESS MIOT JOBS.
141
      3RQ
                PP (4411)
                                43
142
      1RP
                PP (1100)
                                33
                                         5653 79/06/20. 79/05/10. 79/06/20. PPR - RELOAD PP RESIDENT.
143
      7SE
                PP (7662)
                                21
                                         6043 79/06/20. 79/05/10. 79/06/20. PPR - PROCESS SYSTEM DEVICE ERROR.
144
      151
                PP (1100)
                                         3100 79/06/20. 79/05/10.
                               161
                                                                            ISI - SUBSYSTEM INITIALIZER.
145
      151
                PP (1100)
                                351
                                         4146 79/06/20. 78/04/10. 79/05/09. JOB SCHEDULER.
146
      3.5 A
                PP (3715)
                                75
                                         2415 79/06/20. 78/04/10. 79/05/09. 1SJ - INITIATE SUB-SYSTEMS.
                                         1734 79/06/20. 78/04/10. 79/05/09. EVALUATE PRIORITIES.
147
      LSP
                PP (1100)
                               334
148
      (00)
                    SUM -
                             10111
                                     LIBRARY =
                                                      3
149
      1DL
                PP (1100)
                                100
                                         4034 79/06/20. 76/10/24. 79/05/09. DISPLAY OVERLAY LOADER.
150
      105
                PP (1100)
                               1244
                                         4512 79/06/20. 79/05/10.
                                                                             DSD REQUEST PROCESSOR.
151
      9AA
                PP (0000)
                                43
                                         0567 79/06/20. 79/05/10.
                                                                             DSD - DISPLAY A - DAYFILE MESSAGES.
152
      9AB
                PP (0000)
                                57
                                         1036 79/06/20. 79/05/10.
                                                                             DSD - DISPLAY B - SYSTEM STATUS.
153
      9AC
                PP (0000)
                                20
                                         0725 79/06/20. 79/05/10.
                                                                             DSD - DISPLAYS F, G - CENTRAL MEMORY.
      9AD
                                         0442 79/06/20. 79/05/10.
154
                PP (0000)
                                100
                                                                             DSD - DISPLAY E - EQUIPMENT STATUS TABLE
1.55
      9AE
                PP (0000)
                                60
                                         3371 79/06/20. 79/05/10.
                                                                             DSD - DISPLAY E - MASS STORAGE CONFIGURA
156
      9AF
                PP (0000)
                                70
                                         6606 79/06/20. 79/05/10.
                                                                             DSD - DISPLAY E - MASS STORAGE STATUS.
157
      9AG
                PP (0000)
                               100
                                        3741 79/06/20. 79/05/10.
                                                                             DSD - DISPLAY E - RESOURCE MOUNTING PREV
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		05.00								
REC	CATALOG NAME	TYPE	FILE Length	CASIIM	DATE	COMMENTS		. 08.56.15.	PAGE	1 %
KLC	MAIL	1176	LENGIN	CKSUM	DATE	COMMENTS	•			
158	9AH	PP (0000)	77	3667	79/06/20-	79/05/10.		DSD - DISPLAY	E - MACHE	TIC TARES
159	9A I	PP (0000)	76	2434		79/05/10.		DSD - DISPLAY	H - FILE	HAME TADLE
160	9AJ	PP (0000)	63	2723	,	79/05/10.		DSD - DISPLAY		
161	9AK	PP (0000)	62	2701		79/05/10.				OL POINT STATUS.
162	9AL	PP (0000)	46	7357	79/06/20.	79/05/10.		DSD - DISPLAY	K - CENTR	AL PROGRAM BUFFER
163	9AM	PP (0000)	47	4545		79/05/10.		DSD - DISPLAY	M - ECS M	EMORY DISPLAY.
164	9AN	PP (0000)	31	3356		79/05/10.		DSD - DISPLAY	N - FILE	DISPLAY.
165	9A0	PP (0000)	63	3071		79/05/10.		DSD - DISPLAY	U - TRANS	ACTION TERMINAL S
166 167	9AP 9AQ	PP (0000)	46	4350		79/05/10.		DSD - DISPLAY	O - SUB C	ONTROL POINT STAT
168	9AR	PP (0000) PP (0000)	75	4252		79/05/10.		DSD - DISPLAY	O - TASK	LIBRARY DIRECTORY
169	9AS	PP (0000)	64 44	0405 4303		79/05/10.		DSD - DISPLAY	P - PP RE	GISTERS.
170	9AT	PP (0000)	75	2506		79/05/10. 79/05/10.		D2D - DI2DFVA	Q - INPUT	/OUTPUT/ROLLOUT Q
171	9AU	PP (0000)	73	6641		79/05/10.		DSD - DISDLAY	K - KEMUTI	E BATCH STATUS.
172	9AV	PP (0000)	76	0040		79/05/10.		DSD - DISPLAY	2 - 2121F	M CONTROL INFORMA SHARING STATUS.
173	9AH	PP (0000)	47	4232		79/05/10.		DSD - DISPLAY	Y - MINIT	DO EUNCTIONS
174	9AX	PP (0000)	73	5352	79/06/20.			DSD - DISPLAY	7 - DIRECT	TOPY
175	9A8	PP (6227)	41	3175	79/06/20.			DSD - SEND DAY	FILE MESS	AGES-
176	9A9	PP (6227)	24	6170	79/06/20.	79/05/10.		DSD - CONTROL	POINT REGI	VESTS.
177	9B A	PP (6227)	36	5423	79/06/20.			DSD - CONTINUA	ATION OF CO	ONTROL POINT REQU
178	988	PP (6227)	45	6556	79/06/20.	79/05/10.		DSD - SUBSYSTE	M REQUESTS	5.
179 180	98C 980	PP (6227)	33	5330	79/06/20.			DSD - TELEX ME	SSAGE REQU	VESTS.
181	98E	PP (6227)	42	3045	79/06/20.			DSD - BATCHIO		
182	98F	PP (6227) PP (6227)	50 33	4761	79/06/20.			DSD - SYSTEM F		
183	98G	PP (6227)	14	7547 3746	79/06/20. 79/06/20.			DSD - SYSTEM P		
184	9BH	PP (6227)	23	5264	79/06/20.			DSD - JOB CALL	REQUESTS	•
185	981	PP (6227)	35	3634	79/06/20.			DSD - SYSTEM C	UNIKUL KE	10F212*
186	9B J	PP (6227)	32	5525	79/06/20.			USD - ENABLE S	INIAX JABI	LE - CHARACTERS A LE - CHARACTERS O
187	9BK	PP (6227)	36	2473	79/06/20.			DSD - DISABLE	JORT VATOR	BLE - CHARACTERS
188	98L	PP (6227)	33	4352	79/06/20.			DSD - DISABLE	SYNTAX TAR	BLE - CHARACTERS
189	9BM	PP (6227)	32	7667	79/06/20.			DSD - ENABLE/D	ISABLE REC	DUESTS.
190	9BN	PP (6227)	26	1325	79/06/20.			DSD - JOB CONT		.213
191	980	PP (6227)	30	5635	79/06/20.			DSD - JOB CONT	ROL REQUES	sts.
192	98P	PP (6227)	42	4143	79/06/20.			DSD - JOB CONT	ROL REQUES	STS.
193 194	9BQ 9BR	PP (6227)	52	6113	79/06/20.			DSD - DISPLAY		
195	98 S	PP (6227)	41	0146	79/06/20.			DSD - FILE CON		
196	98 T	PP (6227) PP (6227)	15	7137	79/06/20.			DSD - FILE CON	TROL REQUE	STS.
197	9BU	PP (6227)	43 33	2477 4727	79/06/20.			DSD - RESOURCE	CONTROL C	OMMANDS.
198	9BV	PP (6227)	36	4315	79/06/20. 79/06/20.			DSD - ASSIGN V	2M IO ONLI	
199	9BW	PP (6227)	31	7135	79/06/20.			DSD - MAINTENA	NCE CUMMAN	(U).
200	98 X	PP (6227)	44	1412	79/06/20.			DSD - MASS STO	I AVALLADI	LITY COMMANDS.
201	9BY	PP (6227)	33	7375	79/06/20.			DSD - ENTER TI	ME.	ATION.
202	98 Z	PP (6227)	46	7360	79/06/20.			DSD - ENTER DA		
203	DIS	PP (1100)	1300	7542	79/06/20.	76/01/11. 7	79/05/09.	JOB DISPLAY.		
204	9E A	PP (7006)	37	7035	79/06/20.	76/01/11. 7	79/05/09.	DIS - DISPLAY	A DAYFI	LE.
205	9EB	PP (7006)	60	1142	79/06/20.	76/01/11. 7	79/05/09.	DIS - DISPLAY	E MAGNE	TIC TAPES.
206 207	9EC	PP (7006)	16	5461	79/06/20.	76/01/11. 7	79/05/09。	DIS - DISPLAY	F CENTR	AL MEMORY & GROU
208	9ED 9EE	PP (7006)	71	7213	79/06/20.	76/01/11. 7	79/05/09.	DIS - DISPLAY	G CM. 4	GROUPS OF 5.
209	9E F	PP (7006) PP (7006)	24	3265	79/06/20.	76/01/11. 7	79/05/09.	DIS - DISPLAY	H FILE	NAME TARLE.
210	9E G	PP (7006)	43 50	3451	79/06/20	76/01/11. 7	79/05/09.	DIS - DISPLAY	J SYSTE	M STATUS.
211	9EH	PP (7006)	50 57	4370 4414	79/06/20	76/01/11 7	77/05/09.	DIS - DISPLAY	K EQUIP	MENT STATUS TABL
212	9E I	PP (7006)	46	1475	79/06/20	76/01/11 3	77/47/44	DIS - DISPLAY DIS - DISPLAY	L FILE	NAME TABLE.
213	9E J	PP (7006)	56		79/06/20	76/01/11 - 7	77 U3/ U4•	DIS - DISPLAY	n - EUS ME	MUKY DISPLAY.
		•						DIS - DESPERT	r. – rr RE	0131EK3•

	CATALOG (	DE DS	FILE	1			79/10/31	08.56.15. PAGE	12
REC	NAME	TYPE	LENGTH	CKSUM	DATE	COMMENT		, , , , , , , , , , , , , , , , , , , ,	••
214	9EK	PP (7006)	42	3604				DIS - DISPLAY Q IN	
215	9EL	PP (7006)	26	4314				DIS - DISPLAY V CE	
216	9EM	PP (7006)	46	2133	79/06/20.	76/01/11.	79/05/04.	DIS - DISPLAY Y MO	NITOR FUNCTIONS.
217	9EN	PP (7006)	67	0335				DIS - DISPLAY Z DI	RECTORY.
218	9E0	PP (7443)	25	7351				DIS - CPU COMMANDS.	
219	9EP	PP (7443)	34	4466				DIS - STATEMENT ENTRY	
220	9EQ	PP (7443)	31	2712				DIS - EXECUTE STATEME	
221	9ER	PP (7443)	30	1544	79/06/20.	76/01/11.	79/05/09.	DIS - ENTER REGISTER.	
222	9E S	PP (7443)	30	3607				DIS - ENTER X REGISTE	R.
223	9ET	PP (7443)	36	2347				DIS - ENTER MEMORY.	
224	9EU	PP (7443)	33	6542				DIS - ENTER INSTRUCTI	ON.
225	9E V	PP (7443)	35	4301	79/06/20.	76/01/11.	79/05/09.	DIS - ENTER ECS.	
226	9EW	PP (7443)	17	7551				DIS - ENTER MEMORY/EN	
227	9E X	PP (7443)	23	7172				DIS - CPU PROGRAM INT	
228	9EY	PP (7443)	35	1333				DIS - ENTER FIELD LEN	
229	9E Z	PP (7443)	37	0230				DIS - ENTER ECS FIELD	
230	9E0	PP (7443)	34	6164				DIS - CALL 026 TO CON	
231	9E 1	PP (7443)	20	3.374				DIS - MISCELLANEOUS C	
232	9E2	PP (7443)	34	2532	79/06/20.	76/01/11.	79/05/09.	DIS - MISCELLANEOUS C	OMMANDS.
233	9E 3	PP (7443)	25	0306	79/06/20.	76/01/11.	79/05/09.	DIS - INTERPRET KEYSE	T MESSAGE.
234	9E 4	PP (7443)	22	6615	79/06/20.	76/01/11.	79/05/09.	DIS - CHECK KEYBOARD	REQUEST.
235	9FA	PP (7443)	24	5105				DIS - INTERPRET MORE	
236	9FB	PP (7443)	20	7762				DIS - CALL PPU PROGRA	M.
237	026	PP (1100)	1277	4214				CONSOLE TEXT EDITOR.	
238	9G A	PP (6343)	65	2550				026 - FILE COMMANDS.	
239	9GB	PP (6343)	67	3375				026 - LINE ENTRY AND	
240	9GC	PP (6343)	63	1007				026 - DISPLAY, TAB, D	
241 242	96D	PP (6343)	52	3162	79/06/20.	78/04/10.	79/05/09.	026 - LINE SEARCH COM	MANDS.
243	9GE 9GF	PP (6343)	11	4224	79/06/20.	78/04/10.	79/05/09.	026 - SEQUENTIAL RECO	RD SEARCH COMMANDS.
244	966	PP (6343)	73 65	0770				026 - RANDOM RECORD S	
245	96H	PP (6343)		6267				026 - REPLACE COMMAND	
246	961	PP (6343) PP (6343)	7	6451				026 - REWRITE RECORD	
247	(00)	SUM =	62 12547	0064		78/04/10.	79705709.	026 - MISCELANEOUS CO	MUNIO?.
241	(00)	30n -	12341	LIBRARY	- 4				
248	PFILES	ABS	1405	2254	79/06/20	76/10/27	79/05/09	PERMANENT FILE MANIPU	LATOR
2	APPEND	353	1403	6234	177007200	10/10/2/.	17/03/07.	PERHAMENI FILE MANIPU	LATUK.
	ATTACH	377							
	CHANGE	431							
	DEFINE	461							
	GET	510							
	NEW	540							
	OLD	551							
	PACKNAM	557							
	PERMIT	574							
	PURGE	621							
	REPLACE	643							
	SAVE	667							
	RFL=	1665							
	=MG2	0							
249	PF ATC1	OVL 01,00	2200	0562	79/06/20-	73/05/24-	79/05/09-	PFATC1 - CATALOG PF A	RCHIVE TAPE-
250	PFCAT1	DVL 01,00	4427	7545	79/07/12.	78/04/10-	79/07/12-	PFCAT1 - CATALOG PERM	ANENT FILE DEVICE
251	PFCOPY1	OVL 01,00	2301	1261	79/07/10.	73/05/24-	79/07/10-	PFCOPY1 - COPY ARCHIV	E FILE UTILITY.
252	PF DUMP 1	OVL 01,00	5545	7641	79/07/12.	78/04/10-	79/07/12-	PFDUMPL - PERMANENT F	ILE DUMP.
253	PFLOAD1	QVL 01,00	6153	3255	79/07/12.	78/04/10-	79/07/12.	PFLOAD1 - PERMANENT F	ILE LOAD.
		-							6000

REC	CATALOG (	DF DS Type	FILE LENGTH	CKSUM	DATE	C OMME NT		. 08.56.15.	PAGE	1.3	
254	PFS PFLOAD PFDUMP PFCAT PFATC PFCOPY RFL= SSJ=	ABS 1336 1651 1653 1654 1655 1656 2502	2412	4373	79/06/20.	73/05/24.	78/04/09.	PÉRMANENT FILE SI	UPERVISO	OR •	
255	PURGALL PURGALL RFL=	ABS 147 1517	661	7727	79/06/20.	73/05/05.	78/04/09.	PURGE ALL PERMANE	ENT FILE	S.	
256	CMS	PP (1212)	451	0756	79/07/10-	79/05/10-	79/07/10-	MSM - ON LINE MAS	. STOD A	CE MANACED	
257	ELM	PP (1100)	117	6165	79/06/20.	78/04/10-	. ,, 0,, 101	ERROR LOG MESSAGE	DONCES	COD	
258	IMS	PP (1100)	1126	0114	79/06/20.	78/04/10-	79/06/14-	INITIALIZE MASS S	TODACE	30K.	
259	RDM	PP (1100)	406	4705	79/06/20-	78/04/10-	79/05/09-	RDM - REDEFINE MA	ICC CTOD	ACE	
260	115	PP (1100)	356	1304	79/06/20.	79/05/10-	,	INSTALL DEADSTART		AUE	
261	CONF 1G	ABS	2243		79/06/20.			CONFIGURE MASS ST			
	CONFIG RFL=	126 3516						COM TOOKE MAJS 31	UKAUE.		
262	INSTALL	ABS	357	7776	79/06/20.	79/05/10.		INSTALL DEADSTART	FHF.		
	INSTALL	136									
	RFL=	10530						•			
	SS 1=	125									
263	MSI	ABS	3635	2363	79/06/20.	78/04/10.	79/06/14.	MASS STORAGE DEVI	CE INIT	IAL TZATION.	
	MSI	327								`	
	FLAW	515									
	RFL=	6260									
	227=	3726					•				
264	PFM	PP (1100)	710	1366	79/07/03.	79/05/10.	79/07/03.	PFM - PERMANENT F	THE MANA	AGER.	
265	3PA	PP (1606)	661	6030	79/07/03.	79/05/10.	79/07/03.	PEM - GET PROCESS	ING AND	DESIDENT DOUTIN	
266	3PB	PP (4664)	106	03/7	79/07/03.	79/05/10.	79/07/03.	PEM - SAVE/REPLAC	E PROCES	SSING.	
267	3PC	PP (4664)	106	2023	79/07/03.	79/05/10.	79/07/03.	PFM - APPEND PROC	FSSING.		
268 269	3PD 3PE	PP (4664)	220	2633	79/07/03.	79/05/10.	79/07/03.	PFM - ATTACH/UATT	ACH PROC	CESSING.	
270	3PF	PP (1504)	420	2056	79/07/03.	79/05/10.	79/07/03.	PFM - CATLIST PRU	CESSING.	•	
271	3PG	PP (4664)	164	3013	79/0//03.	79/05/10.	79/07/03.	PFM - DEFINE/SETD	A PROCES	SSING.	
272	3PH	PP (4664) PP (1504)	201	6037	79/07/03.	79/05/10.	79/07/03.	PFM - PERMIT/PURG	E/DROPDS	S PROCESSING.	
273	3P I	PP (1622)	540	2211	79/07/03.	79/05/10.	79/07/03.	PFM - ERROR PROCE	SSING.		
274	3PJ	PP (4664)	172 77	V202	79/07/03.	19/UD/10.	79/07/03.	PFM - LOCAL FILE	PROCESSI	ING.	
275	3PK	PP (1700)	106	7121	79/07/03	79/05/10	79/07/03.	PFM - CHANGE PROC	ESSING.		
276	3PL	PP (2402)	76	0454	79/07/03	79/05/10	79/07/03	PFM - DEVICE TO D PFM - APPEND - OR	FAICE LE	RANSFER.	
277	3PM	PP (1622)	125	1622	79/07/03	79/05/10	79/07/03	PFM - APPENU - UK PFM - FILE RESIDE	IGINAL F	FILE TRANSFER.	
278	3PN	PP (4664)	56	1065	79/07/03	79/05/10-	79/07/02	PFM - FILE RESIDE PFM - MSS ATTACH	PODCESS!	LESSING.	
279	3P0	PP (6776)	62	1552	79/07/03	79/05/10-	79/07/03.	PFM - ATTACH/UATT	TRUCESS!	INU.	
280	3PP	PP (4664)	107	6317	79/07/03	79/05/10	79/07/03	PFM - SETASA/SETA	E DDOCFE	SCINC KEAU LAIAL	
281	PFU	PP (1100)	733	7107	79/07/10.	78/04/10-	79/07/10	PFU - PERMANENT F	TIE STN	ITV DONCESCOD	
282	3FA	PP (3152)	512	7222	79/07/10.	78/04/10-	79/07/10-	PFU - PFLOAD ROUT	INES.	LIII INUCESSUR.	
283	3FB	PP (3152)	105	7151	79/07/10.	78/04/10-	79/07/10-	PFU - ERROR PROCE	\$508		
284	1CK	PP (1100)	176	3306	79/06/20.	79/05/10.		SYSTEM CHECK POIN	T.		
285	3CK	PP (2156)	242	1722	79/06/20.	79/05/10.		ICK - SYSTEM CHEC	K POINT-		
286	5ME	PP (7003)	36	4165	79/06/20.	78/04/10.		ICK - SYSTEM CHEC MS VALIDATION ERR	OR PROCE	SSOR.	
287	(00)	SUM =	52664	LIBRARY	<b>-</b> 5					· · · · ·	
288	CPM	PP (1100)	515	4266	79/06/20.	78/04/10.	79/05/09.	CONTROL POINT MAN	AGER -		
289	3C A	PP (1615)	265	6401	79/06/20.	78/04/10.	79/05/09.	CPM - USER VALIDA	TION FUN	CTIONS.	
					_						

	CATALDG (	DF DS	FILE	1			79/10/31	08.56.15.	PAGE	14
REC	NAME	TYPE	LENGTH	CKSUM	DATE	COMMENTS				
290	3CB	PP (1615)	275	4751	79/06/20.	78/04/10.	79/05/09.	CPM - USER ACC	OUNTING FU	NCTIONS.
291	3CC	PP (1615)	60	2120	79/06/20.	78/04/10.	79/05/09.	CPM - LOADER/M	ISCELLANEO	US FUNCTIONS.
292	EXU	PP (1100)	126	4227				EXECUTE +COS+		
293	LDD	PP (1100)	425			78/01/13.				LOAD DIRECTORIES
294	LDQ	PP (1100)	167	6466		78/01/13.		I DO - L DAD OUT	CKLY-	
295	2LD	PP (1100)	56	6717		78/01/13.		LDD/LDQ - ERRO	R PROCESSO	IR .
296	LFH	PP (1100)	274	0125			79/05/09.	LOCAL FILE MAN	AGER.	
297	3LA	PP (1761)	104	3336				LFM - ERROR PR		
298	3LB	PP (1761)	267	2524				LFM - LOCAL FI		NS.
299	3LC	PP (1761)	266	2040				LFM - EQUIPMEN		
300	3LD	PP (1761)	100	2754				LFM - COMMON F		
301	3LE	PP (1761)	360	1701	79/06/20.	78/04/10.	79/05/09.	LFM - FILE DIS	POSAL FUNC	TIONS.
302	3LF	PP (1761)	201	0054	79/06/20.	78/04/10.	79/05/09.	LFM - CONTROL	STATEMENT	FILE FUNCTIONS.
303	3LG	PP (1761)	150	1424	79/06/20.	78/04/10.	79/05/09.	LFM - GETFNT A	ND PRIMARY	FUNCTIONS.
304	SFM	PP (1100)	1004					SYSTEM FILE MA		
305	3S Z	PP (3070)	347	5040	79/06/20.	76/01/11.	79/05/09.	SFM - FAST ATT	ACH PROCES	SORS.
306	SFP	PP (1100)	31					SCOPE FUNCTION		
307	2SA	PP (1143)	172	6314	79/06/20.	78/04/10.	79/05/09.	SFP - STS - ST	ATUS PROCE	SSOR
308	2SB	PP (1143)	764	2072	79/06/20.	78/04/10.	79/05/09.	SEP - MSD - SD.	A/SIS MESS	AGE GENERATOR
309	2SC	PP (1143)	57	1105	79/06/20.	78/04/10.	79/05/09.	SFP - PFE - EX	TEND/ALTER	FUNCTION
310	250	PP (1143)	111	4603	79/06/20.	78/04/10.	79/05/09.	SFP - ACE - AD	VANCE CONT	ROL CARD.
311	2SE	PP (1143)	22	2425	79/06/20.	78/04/10.	79/05/09.	SFP - PRM - PE	RMISSION C	HECKING FUNCTION
312	2SF	PP (1143)	16	2013	79/06/20.	78/04/10.	79/05/09.	SFP - SRP - SP	ECIAL REQU	EST PROCESSING
313	2 S G	PP (1143)	100					SFP - ERP - ER		
314	2SH	PP (1143)	170	6450				SFP - DOO - EX		
315	251	PP (1143)	11	5120				SFP - FIN - FII		
316	RPV	PP (1100)	277					REPRIEVE CENTR		
317	2RP	PP (1100)	42	0052	79/06/20.	78/04/10.	79/05/09.	RPV - ERROR PRI	DCESSOR.	
318	(00)	SUM =	10461	LIBRARY						
319	ACCF AM	ABS	422	2374	79/06/20.	78/04/10.		USER AND FAMIL	Y CARD PRO	CESSOR.
	ACCOUNT	111								
	FAMILY	224								
	USER	111								
	VAL=	0								
	SDM=	0								·
	RFL=	523								
	221-	252								
320	CHARGE	ABS	2042	1526	79/06/20.	76/10/27.	78/10/06.	JOB PROFILE VAL	LIDATION P.	ROGRAM.
	CHARGE	1213								
	ARG=	0								
	VAL-	0								
	RFL=	2144								
	221=	1014								
321	ISF	ABS	1216	2357	79/06/20.	79/05/10.		INITIALIZE SYST	TEM FILES.	
	ISF	132								
	RFL-	2137								
	221=	125								
322	MODVAL	ABS	13555	1313	79/06/20.	76/01/11.	79/05/09.	USER VALIDATION	N FILE MAN	AGER.
	MODVAL	14567								
	LIMITS	14551								
	PASSHOR	14560								
	SDM=	0								
	RFL=	17673								
	221=	14372								

	CATALOG C	IF DS	FILE	1			79/10/31. 08.56.15. PAGE 15
REC	NAME	TYPE	LENGTH	CKSUM	DATE	C OMMENT	
323	PROFILE PROFILE ARG= RFL= SSJ=	ABS 10375 10375 13614 2516	7013	6457	79/06/20.	76/09/21.	• 79/05/09• PROJECT PROFILE MANAGER.
324	SFS	OVL 01,00	1724	7604	79/06/20.	73/05/24-	. 79/05/09. SPECIAL SYSTEM FILE SUPERVISOR.
325	OAV	PP (0000)	173	7537	79/06/20.	76/10/24	· 79/05/09. VERIFY USER ACCOUNT NUMBER.
326	OAU	PP (0000)	75	1535	79/06/20.	76/10/24-	· 79/05/09. UPDATE PROJECT PROFILE FILE.
327	0 A J	PP (0000)	275	2500	79/06/20.	79/05/10-	• VERIFY JOB/USER STATHENT.
328	(00)	SUM -	31203	LIBRARY			TERRIT GODY O'SER STRINGING
329	VE J	PP (1100)	214	5325	79/06/20.	76/10/24.	. 79/05/09. VEJ - VERIFY JOB FILE INFORMATION.
330	QAC	PP (1100)	362	2101	79/06/20.	78/04/10.	. 79/05/09. QAC - QUEUE ACCESS.
331	3QR	PP (6000)	36	0250	79/06/20.	78/01/30.	- QAC - ERROR PROCESSOR.
332	3 <b>9</b> S	PP (3370)	66	2343		78/01/30.	
333	3 <b>9</b> T	PP (3370)	220	4767		78/01/30.	
334	3 <b>Q</b> U	PP (3370)	161	5512		78/01/30.	
335	DSP	PP (1100)	1010	2115			. 79/06/14. DSP - DISPOSE FILE TO I/O QUEUE.
336	3DA	PP (1453)	173	4472	79/06/20-	76/10/24	• 79/06/14. DSP - ERROR PROCESSOR.
337	GAP	PP (1100)	366	2154	79/06/20.	78/01/18.	QUEUE AUXILLARY PROCESSOR.
338	3BA .	PP (3274)	120	3346		78/01/18.	
339	388	PP (3274)	113	1571			
340	3BC	PP (3274)	137	1411		78/01/18.	
341	38D	PP (3274)	54	6547		78/01/18.	
342	3BE	PP (3274)	43	3431		78/01/18.	
343	3BF	PP (4056)	142	1604		78/01/18.	
344	5BA	PP (6767)	42	2317		78/01/18.	
345	588	PP (6767)	42	0231	79/06/20.	78/01/18.	QAP - 580 PFC IMAGE ARRAY.
346	1CD	PP (1100)	1103	7240	79/06/20.	78/01/18.	BATCHIO COMBINED DRIVER.
347	110	PP (1100)	230	7657		79/05/10.	
348	31A	PP (2534)	140	7025	79/06/20.	79/05/10.	110 - SUBROUTINES.
349	318	PP (3753)	43	6623		79/05/10.	110 - LOAD PRINTER IMAGE MEMORY.
350	316	PP (4212)	144	4537		79/05/10.	110/3IC - ERROR SUBROUTINES.
351	310	PP (2534)	213	4172		79/05/10.	110/3ID - BATCHIO PRESET.
352	51A	PP (4212)	74	5251		79/05/10.	
353	51C	PP (4212)	74	5424			
354	510	PP (4212)	74	4076	79/06/20.	78/12/01.	110 - 512 595-6 IMAGE MEMORY.
355	51E	PP (4212)	117	3727	79/06/20.	79/05/10.	110 - 580 596-1 IMAGE MEMORY.
356	51G	PP (4212)	117		79/06/20.		
357 358	5111	PP (4212)	117	0426	79/06/20.	78/12/01.	110 - 580 596-6 IMAGE MEMORY.
330	(00)	SUM =	7051	LIBRARY	- 8		
359	(00)	SUM =	0	LIBRARY	- 9		
360	(00)	= MUZ	0	LIBRARY	- 10		
361	TLX	PP (1100)	131	1703	79/06/20.	73/06/19.	75/03/23. TERMINAL ACTION PROCESSOR.
362	1TA	PP (1100)	255	0724	79/07/03.	78/04/10.	79/07/03. IAF AUXILIARY FUNCTION PROCESSOR.
363	3TA	PP (2561)	21	3473	79/07/03.	78/04/10.	79/07/03. 77/06/03. 1TA - ADJUST *TELEX* FIELD LFN
364	3TB '	PP (2561)	103	6317	79/07/03.	78/04/10.	79/07/03. 77/06/03. 1TA - RETURN TERMINAL JOB.
365	3TC	PP (2561)	302	0700	79/07/03.	78/04/10.	79/07/03. 77/06/03. 1TA - CREATE ROLLOUT FILE.
366	3TD	PP (2561)	137	1632	79/07/03.	78/04/10.	79/07/03. 77/06/03. 1TA - TERMINAL LOGOUT PROCESSO
367	31E	PP (7006)	65	0135	79/07/03.	78/04/10.	79/07/03. 77/06/03. ITA - DISPLAY ACCOUNTING MESSA
368	3TF	PP (4076)	46	1464	79/07/03.	78/04/10.	79/07/03. 77/06/03. 1TA - ISSUE USER MESSAGE.
369	31 G	PP (2561)	140	4344	79/07/03.	78/04/10.	79/07/03. 77/06/03. 1TA - PARTIAL LOGOUT PROCESSOR
370	3TH	PP (2561)	23	7407	79/07/03.	78/04/10.	79/07/03. 77/06/03. LTA - INCREMENT RESOURCE LIMIT

	CATALOG O	F DS	FILE	1			79/10/31	. 08.56.15.	PAGE	16
REC	NAME	TYPE	LENGTH	CKSUM	DATE	C OMMENTS				
371	311	PP (2561)	253	6027	79/07/03.	78/04/10. 7	79/07/03.	77/06/03. 1TA -	TERMINAL	RECOVERY PROCES
372	311	PP (2561)	206	1531				77/06/03. 1TA -		
373	3TK	PP (2561)	115	2123	79/07/03.	78/04/10. 7	79/07/03.	77/06/03. LTA -	GATHER S	TATISTICS.
374	31L	PP (2561)	114	6214				77/06/03. 1TA -		
375	3 T M	PP (2561)	101	6175	79/07/03.	78/04/10. 7	79/07/03.	77/06/03. 1TA -	REPACK R	ECOVERY FILE (IN
376	3TN	PP (2561)	4.1	3507	79/07/03.	78/04/10. 7	79/07/03.	77/06/03. 1TA -	RETURN J	OB STATUS.
377	1 10	PP (1100)	366	4720				TERMINAL INPUT/		
378	210	PP (3236)	326	3332				1T0/2T0 - NETWO		
379	TCOMND	ABS	112	2506	79/06/20.	74/09/06.	/6/01/11.	TERMINAL COMMAN	D BKOCE22	UR.
	ASCII	120								
	CSET PARITY	123 132								
	RFL=	225	•							
380	VALNET	DVL 00,00	6225	0747	79/06/20-	72/06/14.		VALIDATE TERMIN	AL DESCRI	PTION FILE.
381	(00)	SUM =	12040	LIBRARY		, , , , , , , , , , , , , , , , , , , ,		VALIDATE TERRITA	AL DEJUNI	
	,,,,,	<b>45.</b>								
382	BLANK	ABS	1262	1532	79/06/20.	76/10/27. 7	78/04/09.	BLANK TAPE LABE	LING PROG	RAM.
	BLANK	110								
	ARG=	1365								
	RFL=	1502								
0.02	55.1=	1343			77.40.400					
383	MAGNET	ABS	1567	4326	79/06/20.	/8/04/10. /	/9/05/09.	MAGNETIC TAPE E	XECUTIVE.	
	MAGNET RFL=	1576 7777								
384	MAGNET1	ABS	533	5326	70/06/20	78/04/10 7	20/05/00	MAGNETIC TAPE E	VECHTIVE	TERMINATION
301	MAGNET1	7000	,,,,	7320	17700720.	10/04/10. /	7703707.	HAUNCIIC FAFE E.	VECOLIAE	IERAINATION.
	HFL=	7777								
	-122	0								
385	RESEX	ABS	6027	0203	79/06/20.	78/04/10. 7	79/05/09.	RESOURCE EXECUT	IVE.	
	ASSIGN	5170								
	LABEL.	4074								
	REQUEST	5205								
	RESOURC	4225								
	VSN	4311								
	LFM	4322								
	PFM	5210 4355								
	REQ ARG≠	236								
	DMP=	100000								
	RFL=	7312								
	551=	224								
386	ILT	PP (1100)	217	7642	79/06/20.	78/04/10. 7	79/05/09.	1MT - LONG BLOCK	K HELPER	PROCESSOR.
387	1HT	PP (1100)	354	5275				PPU MAGNETIC TA		
388	3MA	PP (1600)	1173	7044				INT - INITIALIZE		
389	3MB	PP (6602)	130	6642	79/06/20.	78/04/10. 7	79/05/09.	INT - FUNCTION	REJECT PR	OCESSOR.
390	3MC	PP (6602)	176	7621				INT - ERRLOG ME		
391	3MD	PP (6602)	167	0350	79/06/20.	78/04/10. 7	79/05/09.	INT - MTS/ATS E	RRLDG MES	SAGE PROCESSOR.
392 393	3ME	PP (7302)	41	5701	79706/20.	78/04/10. 7	79/05/09.	IMT - MTS/ATS SI	PECIAL ME	SSAGE PROCESSOR.
393 394	3MF 3MG	PP (2775) PP (2147)	450 31	0543 5145	79/06/20.	76/04/10. /	77/05/09.	INT - LOAD CONVI	FK21AN WE	MUKY.
395	3MH	PP (6602)	143	3644	79/06/20•	78/04/10 7	77/03/04	IMT - DROP PPU I	1 KUL	· N DDECET
396	3M I	PP (2147)	70	0263	79/06/20	78/04/10. 7	79/05/09-	1MT - COMPLETE	ISER EET	n trejel.
397	3MJ	PP (2147)	436	5340				INT - ISSUE USE		(5).
398	3MK	PP (2147)	547	3433				IMT - USER JOB		
399	3ML	PP (2147)	335	0434				IMT - READ FUNCT		
400	3MM	PP (2772)	246					INT - READ LONG		

	CATALOG (	25 05				
REC	CATALOG (	TYPE	FILE	1 CKSUM	0.75	79/10/31. 08.56.15. PAGE 17
NEC	MANE	1176	LENGIN	CK20H	DATE	COMMENTS
401	3MN	PP (2525)	741	0360	79/06/20-	78/04/10. 79/05/09. 1MT - READ LABEL PROCESSOR.
402	3MO	PP (5703)	74	0155	79/06/20.	78/04/10. 79/05/09. LMT - MULTI-FILE AUXILIARY PROCESSOR.
403	3MP	PP (2147)	416	6104	79/06/20.	78/04/10. 79/05/09. 1MT - OPEN OPERATIONS.
404	3MQ	PP (2412)	213	5542	79/06/20.	78/04/10. 79/05/09. IMT - TAPE POSITIONING OPERATIONS
405	3MR	PP (3755)	435	0410	79/06/20.	78/04/10. 79/05/09. 1MT - MMTC READ ERROR PROCESSOR
406	3MS	PP (3755)	501	<b>Z336</b>	79/06/20.	78/04/10. 79/05/09. 1MT - MTS/ATS READ ERROR PROCESSOR
407	3MT	PP (2147)	333	1221	79/06/20.	78/04/10. 79/05/09. 1MT - WRITE FUNCTION PROCESSOR.
408	3MU	PP (2777)	232	2342	79/06/20.	78/04/10. 79/05/09. 1MT - WRITE LONG REACK PRACESSAR.
409	3MV	PP (3052)	334	1151	79/06/20.	78/04/10. 79/05/09. 1MT - WRITE LAREL PROCESSOR.
410	3MW	PP (3760)	342	5513	79/06/20.	78/04/10. 79/05/09. 1MT - MMTC WRITE ERROR PROCESSOR
411	3MX	PP (3760)	442	4010	79/06/20.	78/04/10. 79/05/09. 1MT - MTS/ATS WRITE FRROR PROCESSOR.
412 413	3MY	PP (2342)	25	7753	79/06/20.	78/04/10. 79/05/09. 1MT - TAPE MONITORING PRESET.
414	FIRM66X (00)	PPU (00)	3147	3424	78/03/21	
717	1007	SUM =	27710	LIBRARY	= 12	
415	CATALOG	ABS	1557	0416	70/06/20	75/03/30 79/10/0/ 0474100 5415
	CATALOG	201	2331	0410	17/00/20.	75/03/20. 78/10/06. CATALOG FILE.
	RFL=	10606				
	SSM=	0				
416	CATLIST	ABS	2451	4354	79/06/20.	79/05/10. CATALOG PERMANENT FILES.
	CATLIST	2361			***************************************	CATALOG FERNANCHI FILES.
	RFL=	4103				
417	CHKPT	ABS	1636	3712	79/06/20.	76/10/27. 79/05/09. CENTRAL MEMORY CHECKPOINT.
	CKP	260				TO THE THE PERSON OF THE PARTY
	SFP	0				
	DMP =	0				
	RFL=	10115				
	221=	253				
418	CONTROL	ABS	1330	6365	79/06/20.	78/04/10. 79/05/09. JOB CONTROL PROCESSOR.
	COMMENT	136				
	EXIT	137				
	MFL	145				
	MODE NOEXIT	165 204				
	NORERUN	211				
	ONEXIT	217				
	ONSH	220				
	OFFSW	242				
	PROTECT	243				
	RERUN	266				
	RFL	274				
	ROLLOUT	303				
	SETASL	356				
	SETUSL	357				
	SETPR	320				
	SETTL	327				
	102	360				
	SWITCH	220				
	USECPU	367				
	RFL=	1430				
419	CTL2	ABS	1245	5550	79/06/20.	78/04/10. 79/05/09. CONTROL STATEMENT BRANCH PROCESSOR.
	CALL	146				
	G010	254				
	RFL=	4436				
	221-	400000				

REC	CATALOG O	F DS TYPE	FILE LENGTH	1 CKSUM	DATE	COMMENTS	79/10/31.	08.56.15.	PAGE	18
420	CTL3 IF RFL≖ ARG=	ABS 117 1536 1536	1040	1302	79/06/20.	78/04/10.	79/05/09.	EXPRESSION	EVALUATION I	PROCESSOR.
421	CONVERT CONVERT RFL=	ABS 130 7600	1532	7273	79/06/20.	75/04/20.	78/04/09.	CONVERT FIL	ES.	
422	COPYB COPYBF COPYEI COPYBR COPYX TCOPY RFL= SSM=	ABS 230 232 234 1606 1623 2022 12152	4114	6770	79/06/20.	77/03/21.	79/05/09.	BINARY FILE	COP LES.	
423	COPYC COPYSBF COPYCF COPYCR RFL= SSM=	ABS 174 145 161 5165	712	5610	79/06/20.	78/04/10.		CODED FILE	COPIES.	
424	COPY67 COPY67 RFL≈	ABS 110 5520	454	2703	79/06/20.	70/06/06.	71/02/14.	COPY 6600 T	APES TO 760	) FORMAT.
425	COPY76 COPY76 RFL=	ABS 110 5550	444	0474	79/06/20.	70/06/06.	71/02/14.	COPY 7600 T	APES TO 6600	) FORMAT.
426	CPMEM DED DEP DMDECS DMD DMP LBC LOC PBC RBR WBR DMP= MFL=	ABS 205 206 205 201 250 251 336 354 434 477 562 10053 5300	5170		79/06/20.			CONTROL POI	NT HEMORY U	TILITIES.
427	CVLCP CVL DMP= RFL= SSJ=	ABS 1113 100000 252 0	147	7107	79/06/20.	78/08/10.	CV	L SCP COMMU	NICATIONS.	
428	DAYFILE DAYFILE AFD DFD ELD ARG= RFL=	ABS 206 200 214 222 1021 10114	2172	5471	79/06/20.	76/01/09.	78/04/09.	DUMP DAYFIL	ES.	
429	DOCMENT DOCMENT	ABS 244	3476	6356	79/06/20.	70/08/25.	79/05/09.	DOCMENT - I	NTERNAL/EXTE	RNAL DOCUMENTATIO

0.50	CATALOG O		FILE	1			10/31. 0	8.56.15.	PAGE	19
REC	NAME	TYPE	LENGTH	CKSUM	DATE	COMMENTS				
430	MFL= EDIT EDIT RFL= SSM=	211445 ABS 4140 11725 0	4436	3350	79/06/20.	76/10/25. 79/0	95/09. TI	ME SHARING TE	XT EDITOR.	
431	ENQUIRE ENQUIRE LENGTH STATUS SUMMARY RFL= SSJ=	ABS 2207 2210 2215 2216 3317 0	2341	2665	79/06/20.	75/05/08. 79/0	)5/09 <b>.</b> 75	/02/16. ENQUI	RE ABOUT J	OB STATUS.
432	FCOPY FCOPY RFL=	ABS 147 4456	1201	1217	79/06/20.	79/05/10.	FC	OPY - FILE CO	PY.	
433	FILES BKSP COMMON DISPOSE EVICT LOCK OUT PRIMARY RENAME SKIPF SKIPF SKIPF SKIPF SKIPF UNLOCK WRITEF WRITER RFL=	ABS  175 202 214 365 372 377 404 412 436 443 452 457 422 464 471 476 710	562	3716	79/06/20.	73/06/12. 79/09	5/09. L.O	CAL FILE MANI	PULATOR.	
434 435	FNTLST1 HELP HELP RFL=	OVL 01,00 ABS 2423 3025	2414 2421	5124 6136	79/06/20. 79/06/20.	78/04/10. 79/05 71/03/02. 77/10	5/09. FN1 0/19. PR(	TLIST - LIST A DCESS HELP FOR	CTIVE QUE R TS USER.	VED FILES.
436	GTR GTR COPYRF MFL=	ABS 176 247 225656	1717	6060	79/06/20.	73/05/17. 79/05	5/09. GE1	T SELECTED REC	CORDS.	
437	LIBEDIT SSM=	ABS 111 0	4542	1065	79/06/20.	79/05/10.	t. 1 e	BRARY EDITING	PROGRAM.	
438	LISTLB LISTLB RFL= ARG=	ABS 135 3413 1032	1354	1347	79/06/20.	76/10/27. 78/10	0/06. LIS	ST MAGNETIC TA	PE LABELS.	•
439	LIST80 LIST80 RFL=	ABS 476 5457	1411	0536	79/06/20.	79/05/10.	COM	1PRESS COMPASS	LISTINGS.	•
440	L072 L072 RFL=	ABS 2277 4056	3342	0015	79/06/20.	70/08/01.	COM	IPRESS OUTPUT	FILES.	
441	MFILES CLEAR	ABS 163	277	0643	79/06/20.	79/05/10.	MUL	TIPLE FILE PR	OCESSOR.	

	CATALOG (	IF DS	FILE	1		79/10/31	. 08.56.15. PAGE 20
REC	NAME	TYPE	LENGTH	CKSUM	DATE	COMMENTS	
	D C THO M	144					
	RETURN REWIND	164 165					
	UNLDAD	166					
	RFL=	764					
442	MSORT	DVL 00,00	262	6611	79/06/20-	78/04/10.	MULTI-TERMINAL SORT ROUTINE.
443	NOTE	ABS	503	6436		78/04/10.	ENTER DELIMITED LINES INTO FILE.
113	NOTE	126	303	0170	.,, 00, 20.		CHICK DECIMITED LINES INTO FIEL.
	ENTER	116					
	RFL=	710					
444	PACK	ABS	444	1142	79/06/20-	76/01/11, 78/07/20,	PACK FILE TO ONE RECORD.
• • •	PACK	102			,,,,,,,,,,		THOR TILL TO DIE RECORDS
	RFL=	2645					
445	RESEQ	ABS	1670	5454	79/06/20.	79/05/10-	TIME SHARING RESEQUENCE ROUTINE.
	RESEQ	1664	10.0	,,,,	.,, .,, .,,	03, 100	THE SHALLO RESERVE ROOTINES
	RFL=	6000					
446	RESTART	ABS	1412	3750	79/06/20.	73/09/25, 79/05/09,	RESTART CHECKPOINTED JOB.
	RESTART	147					
*	DMP=	450000					
	RFL=	10121					
	-L22	400000					
447	ROUTE	ABS	520	3516	79/06/20.	CONTROL DATA CORPOR	ATION. 1976.
	ROUTE	212					
	RFL=	630					
448	SORT	ABS	773	7514	79/06/20.	76/01/11. 77/06/09.	FILE SORT ROUTINE
	SORT	140					
	MFL=	214000					
449	SUBMIT	ABS	1604	1162	79/06/20.	75/04/20. 78/10/06.	ENTER JOB IN INPUT QUEUE.
	SUBMIT	172					
	RFL=	10042					
450	TDUMP	288	1175	6704	79/06/20.	73/05/05. 78/10/06.	FILE DUMP.
	TDUMP	1112					
	RFL=	6140					
451	TRMDEF	ABS	1504	7526	79/06/20.	79/02/22.	DEFINE TERMINAL CHARACTERISTICS.
	TRMDEF	120					
	RFL=	1611					
452	VERIFY	ABS	2042	6541	79/06/20.	77/03/16. 78/10/06.	VERIFY FILES.
	VERIFY	232					
	RFL=	13220					
463	SSM=	0	1543	0410	70 /04 /30	70 / 05 / 10	WEDTEN LIBRARY ETLES
453	VEYLIB	ABS	1502	0010	79/06/20.	(7/05/10.	VERIFY LIBRARY FILES.
	VFYLIB MFL=	135					
	SSM=	220643					
454	0UT	PP (1100)	275	5471	79/04/20	75/03/20 - 79/05/09	RELEASE OUTPUT FILES.
455	(00)	SUM =	107614	LIBRARY		13/03/20: 17/03/09:	KELENJE OUITO! FILE3.
	1007	3011	10/01/	LIDNANI			
456	KRONREF	ABS	2120	3675	79/06/20.	78/04/10-	KRONOS SYSTEM CROSS REFERENCE PROGRAM.
•	KRONREF	151					THE THE THE PROPERTY OF THE PR
	MFL=	234116					
457	MODIFY	ABS	7621	0621	79/06/20.	75/04/20. 79/05/09.	SOURCE LIBRARY EDITING PROGRAM.
	MODIFY	361					
	RFL=	37063					
458	OPLEDIT	ABS	10473	6444	79/06/20.	75/03/20. 79/05/09.	OPL EDITING PROGRAM.
	OPLEDIT	252					
	MFL=	222157					

	CATALOG (	OF DS	FILE	1		79/10/31	. 08.56.15. PAGE 21
REC	NAME	TYPE	LENGTH	CKSUM	DATE	COMMENTS	, not
459	COMPASS COMPASS ARG= MFL=	ABS 355 1 10000	705	0043	79/06/09.	CYBER 70/ MODEL 74	COMPREHENSIVE ASSEMBLER PROGRAM VERSION
460	COMP34	OVL 01,00	7636	0402	79/06/09.	CYBER 70/ MODEL 74	COMPREHENSIVE ASSEMBLER PROGRAM VERSION
461	COMP3\$A	OVL 01,01	14312	6165	79/06/09.	CYBER 70/ MODEL 74	COMPREHENSIVE ASSEMBLER PROGRAM VERSION
62	UPDATE UPDATE RFL=	ABS 10626 35000	15121	1432	79/06/19.		TOWN THE PROPERTY OF THE PROPE
463	COPYL COPYL COPYLM RFL=	ABS 212 211 12000	1577	2610	79/06/19.	MERGE RECORDS FROM	MASTER AND CORR. FILES.
464	ITEMIZE ITEMIZE RFL=	ABS 2070 20000	2212	0324	79/06/19.	LIST CONTENTS OF A	BINARY FILE.
465	(00)	SUM =	70643	LIBRARY	= 14		
166	NOSTEXT	OVL 01,01	5767	7550	79/06/20.	76/10/24	SYSTEM COMMUNICATION TEXT
667	ECSTEXT	OVL 01,01	206	3352	79/06/20.		SYSTEM COMMUNICATION TEXT.
68	PPTEXT	OVL 01,01	1276	2453	79/06/20.	76/10/24	USER ECS INTERPRETIVE MODE TEXT.
69	PSSTEXT	OVL 01,01	3212	6250	79/06/20.	77/08/08	SYSTEM PP TEXT PRODUCT SET SUPPORT MACROS.
70	SYSTEXT	OVL 01,01	4515	5153	79/06/20.	78/04/10-	SYSTEM CP MACROS.
71	(00)	SUM =	17422	LIBRARY	- 15		SISIEN OF HACKUS.
72	PFMTEXT	DVL 01,01	1101	3041	79/06/09.	PERMANENT FILE SYSTE	EM MACROS.
73	FCL5TXT	OVL 01,01	10531	1644	79/06/20.	FCL5 - INITIALIZE FO	CL5 RUN TIME LIBRARY.
74	MTHSTXT	OVL 01.01	2626	1761	79/06/20.	MACROS FOR MATH LIBE	RARY.
75	CETEXT	DVL 01.01	173	5746	79/06/20.	79/05/10.	ENGINEERING SERVICES SUPPORT TEXT.
76	SSYTEXT	OVL 01.01	132	1564	/9/06/20.	76/10/24.	SYSTEM TEXT FOR CONTROL POINT PROGRAMS.
77	CPCTEXT	OVL 01,01	5273	3411	79/06/09.	SYSTEM TEXT FOR CPU	PROGRAMS USING *CPC*.
78	CPUTEXT	OVL 01.01	4562	3435	79/06/09.	SYSTEM TEXT FOR CPU	PROGRAMS USING MACE 1/0.
79	IPTEXT	OVL 01,01	647	3311	79/06/09.	INSTALLATION PARAMET	TER SYSTEM MACROS.
80	SPPTEXT	OVL 01,01	6402	1730	79/06/09.	PPU PROGRAM SYSTEM T	TEXT.
81	SCPTEXT	OVL 01,01	12232	1103	79/06/09.	SYSTEM TEXT.	
82	CDCSTXT	OVL 01,01	452		79/06/09.		
83	(00)	SUM =	51237	LIBRARY	<b>-</b> 16		
84 85	LDC L18GEN	OVL 00,00	103	5760	79/06/20.	75/07/11.	LDC - LOAD TIMESHARING COMPILER OVERLAY
	LIBGEN	ABS 156	1654				LIBGEN - GENERATE USER LIBRARY.
86	SETCORE	OAF 00.00	105		79/06/20.	75/02/10.	SETCORE - PRESET MEMORY.
87	LDRCNTL LIBRARY Map Reduce	ABS 244 207 152	216	3645	79/06/09.		
88	RFL= LOADER LOADLDR LOAD LIBLOAD SLOAD EXECUTE NOGO	316 ABS 11577 11613 11613 11613 11613	12040	3353	79/06/09.	CYBER COMMON LOADER	(E 498).
	SATISFY SFGLOAD	11613 11613		•			

REC	CATALOG ( Name	DF DS Type	FILE LENGTH	1 CKSUM	DATE	79/10/31 COMMENTS	. 08.56.15.	PAGE 22
	LOSET	11613						
	GROUP	11613						
	CAPSULE	11613						
	LDR=	11612						
	SLDR=	11610						
	MFL= SSJ=	240000 0						
489	LOADU	ABS	10367	3461	79/06/09-	USER-CALL LOADER	(L 498).	
	LOADU	7311		3,02		TOTAL CALL COADER	12 17071	
	=122	0	•					
490	LDRTEXT	OVL 01,01	1240	3413	79/06/09.	LOADER REQUEST SYST	EH MACROS.	
491	LOADC	OVL 01,01	663	7044		LOADER - PROCESS CA		
492 493	LOADG Loads	OVL 01,02 OVL 01,03	2117 4540	3665 2640		LOADER - GENERATE O		
494	LOADZ	OVL 01,03	10637	3544		LOADER - GENERATE S LOADER - RESUME OVE		
495	LOADM	OVL 02,00	3542			LOADER - WRITE LOAD		
496	LOADUC	OVL 04,01	711	4466		LOADU - PROCESS CAR		
497	LOADUM	OVL 04,02	2450	6245		LOADU - WRITE LOAD		
498	TRAP	OVL 00,00	4307	3027	79/06/09.			
499	SEGRES	DAT 00.00	1136			SEGMENT LOADER RESI	DENT.	
500	(00)	SUM =	63362	LIBRARY	= 17			
501	GENHELP	TEXT	37	4434				
502	GENVAL	TEXT	16	1776				
503	LIBMOD	TEXT	17	6625				
504 505	MOVEPF (00)	TEXT SUM =	44 140	2316	_ 10			
505	1001	30H -	140	LIBRARY	- 18			
506	QFH	PP (1100)	1060	6064		75/01/27. QUEUE	FILE MANAGER.	
507	3QA	PP (3170)	152	3451		74/04/01.	QFM - QFM ERROR	
508 509	3QB 3QC	PP (3170)	35	4142		74/04/01.	OFM - INITIALIZA	
510	3QD	PP (3170) PP (3170)	167 162	6265 4135		74/04/01. 74/04/01.		ELEASE FNT LIST.
511	QFSP	ABS	6650	2201		78/04/10. 79/05/09.	OHERED CITE CITE	TTACH PROCESSORS.
	QFSP	6400	0030		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	107017101 777037071	AOCOED LIFE 301	EKVIJUK.
	QREC	6463						
	OLIST	6455						
	QDUMP	6465						
	OLOAD	6473						
	LDL1ST QMOVE	6467 6503						
	DFTERM	6513						
	DFLIST	6507						
	QALTER	6433						
	FNTLIST	6436						
	RFL=	10500						
	221=	3377						
512	SSM= QDUMP1	6751 OVL 01,00	3256	716^	70/04/20	74430434 70430404	AUGUE DIMB 5555	
513	QL DAD 1	OVL 01,00	3040	1431	79/06/20.	76/10/24. 78/10/06. 76/10/24. 78/10/06.	OUTUE LOAD PROCE	E
514	QMOVEL	OVL 01,00	3646	3712	79/06/20	76/10/24. 78/10/06.	DITELLE MUNE DOUGH	ESSUK. Essauk.
515	QREC1	OVL 01,00	2761	6770		QUEUE RECOVERY PROC		
516	OFTERM1	OVL 01,00	2145	7247	79/06/20.	75/03/10. 79/05/09.	DAYFILE TERMINAT	TION PROCESSOR.
517	LDI	ABS	503	6220	79/06/20.	71/02/12. 78/04/09.	LOAD JOBS TO IN	PUT QUEUE.
	LDI	125						
	RFL=	4625						

	CATALOG	OF OS	FILE	1		-	70/10/21	00 E4 1E	D 4 C F	2.2
REC	NAME	TYPE	LENGTH	CKSUM	DATE	COMMENTS	77 107 31.	08.56.15.	PAGE	23
					*****	• • • • • • • • • • • • • • • • • • • •				
518	(00)	SUM =	30525	LIBRARY	= 19					
519	ILD	DD (1100)			70/07/10					
520	CUX	PP (1100) PP (1100)	122	0111	79/07/12.					
521	MLD		45	6037	79/07/12.	COX - CHECK	OZEK ACCE	SS FOR MAINT.	ROUTINES.	
522	5LL	PP (1100) PP (4500)	525	6343	79/07/12.					
523	5MU		476	4571	79/07/12.					
524	58X	PP (4500)	436	1720	79/07/12.					
525	55X	PP (4500)	464	3530	79/07/12.					
526	56X	PP (4500) PP (4500)	471	2577	79/07/12.					
527	57X	PP (4500)	467	2753	79/07/12.					
528	541		463	6671	79/07/12.					
529	58H	PP (4500)	445	2360	79/07/12.					
530	58F	PP (4500) PP (4500)	470	2420	79/07/12.					
531	5 <b>S</b> U	PP (4500)	462 447	3231	79/07/12.					
532	55 V	PP (6207)	144	7775	79/07/12.					
533	5FH	PP (4500)		7505	79/07/12.					
534	5FF	PP (4500)	463 456	2262 6044	79/07/12.					
535	5HT	PP (4500)	473		79/07/12.					
536	5MW	PP (7277)	775	0435 7065	79/07/12.					
537	5MR	PP (7277)	67		79/07/12.					
538	5HS	PP (7277)	66	3642 7432	79/07/12.					
539	5CU	PP (4500)	347	3267	79/07/12.					· ·
540	SBP	PP (1100)	176		79/07/12.					
541	CP1	PP (1100)	1236	3422	79/07/12.					
542	LPI	PP (1100)	750	2777 6425	79/07/12.					
543	90A	PP (5710)	134	6772	79/07/12.					
544	90B	PP (5710)	204	4744	79/07/12.					
545	90C	PP (5710)	204		79/07/12.					
546	90D	PP (5710)	157	0640 3276	79/07/12. 79/07/12.					
547	90E	PP (5710)	113	2552	79/07/12.					
548	90F	PP (5710)	166	5613						
549	CR1	PP (1100)	1224	0444	79/07/12.					
550	FTP	PP (1100)	671	0660	79/07/12.					
551	90H	PP (5331)	43	1413	79/07/12.					
552	901	PP (5331)	2	3055	79/07/12.					
553	901	PP (5331)	124	6526	79/07/12.					
554	90K	PP (5331)	140	2000	79/07/12.					
555	90L	PP (5331)	61	2060	79/07/12. 79/07/12.					
556	90M	PP (5331)	107	6663	79/07/12.					
557	90N	PP (5331)	77	3422	79/07/12.					
558	900	PP (5331)	105	6470	79/07/12.					
559	90P	PP (5331)	65	5470	79/07/12.					
560	900	PP (5331)	123	2370	79/07/12.					
561	90R	PP (5331)	25	6166	79/07/12.					
562	905	PP (5331)	132	7407	79/07/12.					
563	90T	PP (5331)	23	1430	79/07/12.					
564	90U	PP (5331)	123	3532	79/07/12.					
565	90V	PP (5331)	37	5465	79/07/12.					
566	CSU	ABS	2042	0401	79/07/12.					
	CSU	111			, ., ,					
	MFL=	20000							•	
567	LCM	ABS	3063	5342	79/07/12.					
	LCM	111								
	RFL-	5000								

REC	CATALUG (	F DS TYPE	FILE LENGTH	1 CKSUM	DATE	COMMENTS	79/10/31.	08.56.15.	PAGE	24
568	MEM MEM	ABS 111	2253	0641	79/07/12.					
569	RFL= MY1 MY1	20000 ABS 111	1553	1103	79/07/12.					
570	MFL= EC3 EC3 RFL=	20000 ABS 111 5440	3314	0612	79/07/12.					
571	SSJ= CYBRLOG CYBRLOG RFL=	3374 ABS 1555 2400	2227	6451	79/07/20.					
572	SSJ= ALX ALX RFL=	110 ABS 111 2100	1735	0207	79/07/12.				·	
573	CT3 CT3	ABS 111	5546	1030	79/07/12.					
574	RFL= CT7 CT7 RFL=	20000 ABS 111	5464	3652	79/07/12.					
575	CTB CTB RFL=	30000 ABS 111 10000	6171	3065	79/07/12.					
576	CU1 CU1 RFL=	A85	6215	6306	79/07/12.					
577	FM2 FM2 RFL=	6400 ABS 111 1600	1451	3651	79/07/12.					
578	STX STX RFL=	ABS 111 40000	5020	1036	79/07/12.					
579	CMU CMU RFL=	ABS 111 10000	1643	6422	79/07/12.					
580	FST FST RFL#	ABS 111 2300	2136	2003	79/07/12.					
581	INS INS RFL=	ABS 111 2200	2027	3400	79/07/12.					
582	MRG MRG RFL=	ABS 111 2300	2167	5706	79/07/12.					
583	RAN RAN RFL=	ABS 111 2700	2536	0676	79/07/12.					
584	GETLOG GETLOG RFL=	ABS 144 12236	725	4626	79/07/12.					
585	SSJ= KEDIAG KEDIAG	363 ABS 4152	6045	3420	79/07/12.					

REC	CATALOG Name	OF DS Type	FILE LENGTH	CKSUM	DATE	79/10/31. 08.56.15. COMMENTS	PAGE 25
	RFL= SSJ=	6151 2437				,	
586	NORM NORM	ABS 11137	40574	2422	79/07/12.		
587	FDP	PP (1100)	1105	1742	79/07/05.	FDP - 881/883 PACK FORMATTING L	ITILITY DRIVER.
588	FORMAT FORMAT	ABS 3731	4340	2016	79/07/05.	FORMAT - 7054/844 DISK PACK F	ORMATTING UTILITY.
589	RFL= (00)	4436 • SUM =	170610	LIBRARY	- 20		
590	CCLBRWE BEGIN REVERT WHILE ENDW ARG= RFL= SDM- SSJ=	ABS 3377 3377 3377 3377 0 10664 0	5250	5247	79/06/09.		
<b>591</b>	CCLIFES IFE ELSE ENDIF SKIP ARG- RFL- SDM- SSJ-	ABS 2604 2604 2604 2604 0 3677 0	2636	0501	79/06/09.		·
592	CCLDS DISPLAY SET ARG= RFL= SDM= SSJ=	ABS	2541	6402	79/06/09.		
593	SYSLIB	ULIB	2075		79/06/20.	•	
755	(00)	SUM =	51500	LIBRARY	= 21		
756	CRMEP CRMEP	ABS 3326	10146	0371	79/06/09.		
757	FILE FILE	ABS 1356	2617	5204	79/06/09.		
758	IOTEXT	OVL 01,01	11202	1741	79/06/09.		
759	TXTCRM	OVL 01,01	11332	4000	79/06/09.		
760	BAMLIB	ULIB	422	6450	79/07/12.		
831	FORM FORM	ABS 247	7120	7253	79/06/09.		
832	BITSLIB	ULIB	601	4155	79/06/09.		
863	(00)	SUM =	134426	LIBRARY	= 22		
864	SYMPL Sympl	ABS 11057	11666	1352	79/06/09.		
865	SYMP10	OVL 01,00	7553	2534	79/06/09.		
866	SYMP15	OVL 01.05	5621	3361	79/06/09.		
867	SYMP16	OVL 01,06	26024	0435	79/06/09.		
868	SYMP14	OVL 01,04	3005	3146	79/06/09.		

	CATALOG	OF OS	FILE	i			79/10/31	. 08.56.15.	PAGE	26
REC	NAME	TYPE	LENGTH	CKŠUM	DATE	COMMENT		. 00.30.13.	FAUL	20
		• • • •								
869	SYMP17	DVL 01,07	2427	6546	79/06/09.					•
870	SYMP13	OVL 01.03	23023	2360	79/06/09.					
871	SYMP30	OVL 03,00	33	3267	79/06/09.					
872	SYMP31	DVL 03,01	31015	5643	79/06/09.					
873	SYMP32	OVL 03,02	34723	1126	79/06/09.					
874	SYMP40	DVL 04,00	11751	1742	79/06/09.					
8 7.5	SYMP50	OVL 05,00	10037	4777	79/06/09.					
876	SYMP51	OVL 05,01	1210	1356	79/06/09.					
877	SYMP52	OVL 05,02	1342	2114	79/06/09.					
878	SYMLIB	ULIB	25	5014	79/06/09.					
885	(00)	SUM =	221375	LIBRARY	<b>=</b> 23					
			_							
886	(00)	SUM =	0	LIBRARY	- 24					
887	(00)	SUM =	0	LIBRARY	<b>-</b> 25					
001	1001	10H -	U	LIDKAKI	- 25					
888	(00)	SUM =	0	LIBRARY	= 26					
	,,,,,	40	•	LIDNARI						
889	(00)	SUM =	0	LIBRARY	- 27		-			
890	(00)	SUM =	0	LIBRARY	= 28					
891	(00)	SUM =	0	LIBRARY	<b>-</b> 29					
892	COPY8P	ABS	15227	7272	79/06/09.					
	COPY8P	141		•						
893	(00)	SUM =	15227	LIBRARY	= 30					
	4001		_							
894	(00)	SUM =	0	LIBRARY	- 31					
895	(00)	SUM =	0		_ 33					
077	(00)	30H =	U	LIBRARY	- 32					
896	(00)	SUM =	0	LIBRARY	- 33					
0,0	1007	3011	J	LIDRAKI	- ,,					
897	(00)	SUM =	0	LIBRARY	= 34					
	•		_							
898	ADC	PP (1100)	1145	4321	79/06/20-	71/01/09-	78/04/09-	ANDY CAPP DISP	LAY.	
899	BAT	PP (1100)	1176	1136				BASEBALL GAME.		
900	DOG	PP (1100)	345	4.126				SNOOPY WHI FLY	ING ACE.	
901	9ZA	PP (3116)	750	7417				ACE - DISPLAY		
902	DS 1	PP (1100)	643	7622	70/06/20	71/01/00	70/04/04	6612/DD60 DISP	DATA.	CAL PECT
903	HEM	PP (1100)	123	1510	70/06/20	74/11/07	74 405 434	0012/DD00 D13F1	LAT ALIGNA	ENI 1621.
904					79/00/20.	77/11/13.	76/05/26.	HARDWARE FUNCT	LUN MANAGE	:K•
905	SMP	PP (1100)	203	5770	79/00/20.	71/07/27.	78/04/09.	SAMPLE CPU P-RI	EGIZIEK.	
	WRM	PP (1100)	471	0304	79/06/20.	71/01/09.	78/04/09.	WORM(S) DISPLA	γ.	
906	115	PP (1100)	574	2451	79706720.	78/06/22.	79/05/09.	INTERACTIVE TE	RMINAL STI	MULATION DRIVER.
907	176	PP (1100)	717	2757	79/06/20.	78/06/22.	79/05/09.	EXTERNAL TERMI	NAL STIMUL	ATION DRIVER.
908	DEMUX	ABS	2015	3076	79/06/20.	78/06/22.	79/06/16.	DEMUX - SORT ST	TIMULA TER	MINAL DATA.
	DE MUX	142		<b>3</b>						
	RFL=	23130								
909	DSDI	ABS	20120	7407	79/06/20.	78/04/10.	79/05/09.	DEAD START DUM	P INTERPRE	TER.
	1020	320								·
	HFL=	50313								
	221=	243								
910	LPT	ABS	3025	3534	79/06/20-	70/07/25	75/04/20	LINE PRINTER TO	FST.	
	LPT	110		3,5,4	,			STAF INTIMIER II		
	RFL=	3123								

REC	CATALOG ( Name	OF DS Type	FILE LENGTH	CK SUM	DATE	79/10/31. 08.56.15. PAGE 27	
911	MST MSADR MST MFL=	ABS 130 144 205604	1663	3336	79/06/20.	74/03/04. 79/05/09. MASS STORAGE TEST.	
912	SCRSIM SCRSIM RFL= SSJ=	ABS 207 3257 202	2704	5655	79/06/20.	74/11/13. 79/05/09. STATUS/CONTROL REGISTER SIMULA	ITOR.
913	STIMULA STIMULA NSTIM ASTIM RFL=	ABS 253 246 247 13544	4544	0247	79/06/20.	78/06/22. 79/05/09. INTERACTIVE TERMINAL STIMULATO	)R •
914	UPMOD UPMOD MFL=	ABS 163 244156	1755	6074	79/06/20.	70/06/06. 75/04/20. UPDATE TO MODIFY CONVERSION PR	lOGRAM.
915	DF SORT DF SORT	ABS 42226	51051	2671	79/06/20.		
916	PSAMP PSAMP	ABS 4514	12744	4123	79/06/20.		
917	(00)	SUM =	133764	LIBRARY	= 35		
918	(00)	SUM =	0	LIBRARY	<b>-</b> 36		
919	(00)	SUM =	0	LIBRARY	- 37		
920	(00)	SUM =	0	LIBRARY	= 38		
921	(00)	SUM =	0	LIBRARY	= 39		
922	(00)	SUM =	0	LIBRARY	- 40		
923	(00)	SUM =	0	LIBRARY	- 41		
924	(00)	SUM =	0	LIBRARY	- 42		
925	(00)	SUM =	0	LIBRARY	<b>43</b>		
926	(00)	SUM =	0	LIBRARY	- 44		
927	(00)	SUM =	0	LIBRARY	45		
928	(00)	SUM =	0	LIBRARY	- 46		
929	(00)	SUM =	0	LIBRARY :	- 47		
930	(00)	SUM =	0	LIBRARY	- 48		
931	(00)	SUM =	0	LIBRARY :	49		
932	(00)	SUM =	0	LIBRARY	50		
933	(00)	SUM =	0	LIBRARY	51		
934	(00)	SUM =	0	LIBRARY :	- 52		

REC	CATALOG ( Name	OF DS TYPE	F I LE LENGTH	CKSUM 1	DATE	COMMENTS	79/10/31.	08.56.15.	PAGE	28
935	(00)	SUM =	0	LIBRARY	- 53					
936	(00)	SUM =	0	LIBRARY	- 54					
937	(00)	SUM =	0	LIBRARY	<del>-</del> 55					
938	SYSTEM	OPLD	2321	3762	79/07/31.					
939	* EDF *	= MUZ	1704736							

CATALOG OF DS FILE 2 79/10/31. 08.56.15. PAGE 29
REC NAME TYPE LENGTH CKSUM DATE COMMENTS

\* E01 \* SUM = 0

	CATALOG O	IF OPI	FILE	1			79/10/30.	09.07.53.	PAGE	1		
REC	NAME	TYPE	LENGTH	CKSUM	DATE	COMMENTS	, ,, 10, 30.	074074534	PAUC	•		
1 2	COPYRT (00)	OPLC (64) SUM =	26 26	0036 LIBRARY =	79/05/10. 1							
3	CETEXT	OPL (64)	1151	7166	79/05/10.							
4	ECSTEXT	OPL (64)	36	2060	78/04/10.							
5	PPTEXT	OPL (64)	26	1701	76/10/24.							
6	PSSTEXT	OPL (64)	34	5771	77/08/08.							
7 8	NOSTEXT SSYS	OPL (64) OPL (64)	33	7571	76/10/24.							
9	SYSTEXT	OPL (64) OPL (64)	605 27	0773 7071	76/10/24. 78/04/10.							
10	(00)	SUM =	2160	LIBRARY =	2							
11	CPCOM	OPLC (64)	23724	4254	76/10/27.							
	KRA305	CPCOM1	KRA344	KRA354	CPCOMZ	CP COM3	KRA381	CPCOM4	CPCOM5	KRA390	CPCOM4A	N14000
	CPCOM6	KRA596	CPCOM48	CPCUM7	N15000	0.00		0.00	0.00	KKA370	CICUITA	1414000
12	PPCOM	OPLC (64)	24302	7447	78/04/10.							
	KRA502	KRA513	KRA526	KRA548	KRA555	KR A556	KRA562	KRA566	KRA569	DOK21	KRAPFC	KRAPFCA
	KRA572	KRA600	KRA606	PPCOM1	N15000	PPCOM2						
13	(00)	SUM =	50226	LIBRARY =	3							
14	COMCMAC	OPLC (64)	13647	5353	76/01/11.							
	DOK14	KRAZ93	N13000	KRA311	KRA320	CMAC1	N14000	CMACZ	DQK21	N15000		
15	(00)	SUM =	13647	LIBRARY -	4							
16	COMCARG	OPLC (64)	730 ·	1107	79/05/10.							
17	COMCARM	OPLC (64)	1237	4177	79/05/10.							
18	COMCCCE	OPLC (64)	410	4644	79/05/10.							
19	COMCCOD	OPLC (64)	415	6304	70/12/20.							
	KRON107	DOKO7										
20	COMCCFD KRON107	OPLC (64)	567	3501	71/09/13.							
21	COMCCHD	OPLC (64)	356	2615	78/04/10.							
22	COMCCIO	OPLC (64)	1043	5656	79/05/10.							
23	COMCCOD DOC12	OPLC (64)	340	5100	70/12/20.							
24	COMCCHD CCMD1	OPLC (64) CCMDZ	3617	0154	78/04/10.							
25	COMCCPA	OPLC (64)	1073	5363	76/01/09.							
26	COMCCPM	OPLC (64)	245	1347	70/10/09.							
	K21001											
27	COMCCPT CCPT1	OPLC (64)	416	7565	73/10/23.							
28	COMCCVI N14000	OPLC (64)	3034	3165	75/04/20.							
29	COMCCAF	OPLC (64)	224	7701	78/04/10.							

	CATALOG	OF OPL	FILE	1			79/10/30.	09.07.53.	PAGE	2
REC	NAME	TYPE	LENGTH	CKSUM	DATE	COMMENTS				
30	COMCDXB DUC12	OPLC (64) DOKO7	625 CDXB1	5255	70/10/09.					
31	CONCECH	OPLC (64)	664	4522	78/04/10.				-	
32	COMCECS CECS1	OPLC (64) CECS2	3600 3600	0370 N15000	78/04/10.					
33	COMCEDT	OPLC (64)	461	5512	71/02/04.					
34	COMCFCE CFCE1	OPLC (64) CFCE2	3064 Kron43	5127 Kron92	71/07/21. K21001	00403	V04040	V40003	<b>"</b> "	
	CICLI	CICLE	KKUNTS	KKUN72	KZIUUI	DOKO3	KRA068	KN0003	KRAPFC	
35	COMCFOO N12000	OPLC (64) N13000	1316	3043	75/02/21.					
36	COMCHXB N15000	OPLC (64)	431	6331	78/04/10.					
37	COMCIQE	OPLC (64)	1470	0570	76/10/24.					
38	COMCLEM	DPLC (64)	315	0527	70/10/09.					
	CLFM1									
39	COMCLOD	OPLC (64)	1262	0171	78/04/10.					
40	COMENTA CHTM1	OPLC (64) CMTM2	742	6272	70/12/13.					
41	COMEMTP DOKO1	OPLC (64) CMTP1	3425 CMTP2	6632	70/12/20.					
42	CONCHVE DOKO5	OPLC (64)	1427	0103	73/11/10.					
43	COMCOVL	OPLC (64)	265	4332	70/12/20.					
44	COMCPFM CPFM1	OPLC (64)	312	7233	70/12/01.					
45	COMCPFU	OPLC (64)	303	1160	75/08/19.					
46	COMCPOP	OPLC (64)	1651	6173	78/04/10.					
	KRA604									
47	COMCQEM	OPLC (64)	305	2607	74/01/31.					
48 49	COMCRDC	OPLC (64)	520	1254	78/04/10.					
77	COMCRDH CRDH1	OPLC (64)	750	6267	76/01/11.					
50	COMCRDO RDO1	OPLC (64) CRDO2	573 K21001	1216 CRD03	70/10/09.					
61	CONCORC									
51 52	COMCROS	OPLC (64) OPLC (64)	1416 2755	0640	75/04/20.					
14	KRA302	KRA344	2795 KRA302B	0621 KRA602	73/11/09. CRDW1					
63	COMCACA	001.6 4445								
53 54	COMCRSP	OPLC (64) OPLC (64)	2504 13504	7536 0335	78/04/10.					
- •	K21006	CRTN1	N13000	N14000	73/05/05. KRA561					

REC	CATALOG Name	OF OPL Type	FIL Length	E 1 CKSUM	DATE	COMMENT		0. 09.07.53	• PAG	E 3
55	COMCSEM	OPLC (64)	310	3370	70/10/09.					
56	COMCSEN DOK16	OPLC (64) Kra369	273	5415	74/12/04.					
57	COMCSNM N14000	OPLC (64) Kra535	1015	3707	77/03/15.					
58	COMCSRT CSRT1	OPLC (64) Kra554	2054	7100	78/04/10.					
59	COMCSSN CSSN1	OPLC (64)	320	5351	70/10/24.					
60	COMCSST	OPLC (64)	370	3742	70/12/04.					
61	COMCSTF	OPLC (64)	232	6200	79/05/10.					
62	COMCSYS	OPLC (64)	1121	3005	79/05/10.					
63	COMCUPC	OPLC (64)	732	3576	70/12/13.					
	DOC10	K21001	DOKOL	DOKO3	KRA042					
64	COMCUSB	DPLC (64)	621	0333	79/05/10.					
65	COMCVFE	OPLC (64)	1456	2210	76/10/27.					
0.5	CVFE1	0120 1017	1430	2210	10/10/2/6					
66	CONCWOD	OPLC (64)	471	3744	70/12/13.					
67	COMCHTC	OPLC (64)	512	1066	70/10/09.					
	K21001	DOC 1 2	KRA038							
68	COMENTH	OPLC (64)	770	3544	74/12/04.					
69	KS1001	OPLC (64)	466	6363	70/10/09.					
70	COMCHTS	OPLC (64)	1360	5371	74/12/04					
71	COMENTH	OPLC (64)			74/12/04.					
• • •	CHTHI	KRA302	2462 Kra302B	5763 DOK18	73/11/09.					•
72	COMCZAP	OPLC (64)	631	5170	79/05/10.				,	
73	COMCZTB	OPLC (64)	303	4770	76/01/11.					
	KRA369				, , , , , , , , , , , , , , , , , , , ,					
74	(00)	SUM =	115430	LIBRARY .	- 5					
75	COMDD1S N15000	OPLC (64)	2444	5436	78/04/10.					
76	COMDDSP DDSP1	OPEC (64) Kra606	1657 N15000	4450	78/04/10.					
77	COMDSYS Kron84	OPLC (64) Kron98	3433 DOK03	1375 N12000	70/12/20. DSYS1	N1 4000	DOK20	KRA572	N15000	
. 78	COMDTEN	OPLC (64)	417	3147	79/05/10.					
79	100)	SUM =	10375	LIBRARY =						
80	COMMMSE	OPLC (64)	2261	4344	70/05/10					
81	(00)	SUM =	2351	6244	79/05/10.					
OI	1001	SUM =	2351	LIBRARY =	. 7					

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REC	CATALOG Name	OF OPL Type	FILE LENGTH	CKSUM	DATE	COMMENTS	09.07.53.	PAGE	4
						COMICINI			
82	COMPHAC (OO)	OPLC (64)	3112	3307	79/05/10.			•	
83	1001	SUM =	3112	LIBRARY :	- 8				
84	COMPACE	OPLC (64)	1015	1365	79/05/10.				
85	COMPACS	OPLC (64)	370	1460	76/01/09.				
	D0K14								
86	COMPANS	OPLC (64)	510	6633	76/10/24.				
87	COMPCDI	OPLC (64)	160	5102	76/01/09.				
88	COMPCEA	OPLC (64)	323	6717	76/01/22.				
89	COMPCEP	OPLC (64)	314	7341	76/01/11.				
90	COMPCHI	OPLC (64)	1210	2651	76/01/11.				
	PCH11								
91	COMPCHL	OPLC (64)	1515	6466	76/01/11.				
••	N14000	0.20 (0.,	.,.,	0.00	10,01,111				
92	COMPCHM	OPLC (64)	716	1346	79/05/10.				
93	COMPCIB	OPLC (64)	367	3271	70/03/12.				
	KRA113	K22000							
94	COMPCKP	OPLC (64)	170	4337	75/03/20.				
• •	N12000	0.20 (0.,	2.0		737037200				
95	COMPCLD	OPLC (64)	562	6573	73/05/08.				
	NT5000	DOK14							
96	COMBCLV	0016 4441	633	1/26	70 (05 (1) 0				
96 97	COMPCLX	OPLC (64) OPLC (64)	523 1605	1435 3461	79/05/10.				
98	COMPCHX	OPLC (64)	1037	3254	74/07/23. 75/02/15.				
	PCMX1	N1 4000							
99	COMPCOB	OPLC (64)	357	3161	70/03/12.				
	KRA113	K22000							
100	COMPCRA	OPLC (64)	576	7437	79/05/10.				
101	COMPCRS	OPLC (64)	207	7205	73/05/05.				
	KRA113	DOK15							
102	COMPCTI	OPLC (64)	201	1656	72/06/15.				
	K22000								
103	COMPCUA	OPLC (64)	503	4231	76/01/11.				
104	COMPCUN	OPLC (64)	433	4032	76/10/24.				
105	COMPCUT	OPLC (64)	222	3066	76/01/09.				
106	COMPCVI	OPLC (64)	2500	2352	74/12/10.				
	N12000	N14000	DOK21						
107	COMPCSO	001 € 4445	201	7010	70.400.400				
107	COMPC2D KRA113	OPLC (64)	201	7010	70/09/03.				
	VVVII.								
108	COMPDTS	OPLC (64)	500	2777	76/01/09.				
	DOK14	DOK 15							
	80								
109	COMPDV5	OPLC (64)	245	2147	78/04/10.				

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REC	CATALOG Name	OF OPL Type	FILE LENGTH	1 CKSUM	DATE	COMMENTS	79/10/30.	09.07.53.	PAGE	5
110	COMPECX	OPLC (64)	351	0156	78/04/10.					
111	COMPFAT	OPLC (64)	525	1253	78/04/10.					
112	COMPGBN	OPLC (64)	254	4531	75/01/20.					
113	COMPGJN Krall3	OPLC (64)	353	6563	71/01/31.					
114	COMPGTN KRA113	OPLC (64)	235	4424	71/01/31.					
115	COMPIFR	OPLC (64)	207	0113	76/01/09.					
116	COMPIRA	OPLC (64)	363	6727	70/09/18.			,		
	K21001	KRA113	N15000	0121	707077104					
117	COMPLDA	OPLC (64)	1465	4320	79/05/10.					
118	COMPHRQ	OPLC (64)	667	5150	70/12/13.					
	KRON39	KRON56	N13000							
119	COMPMSD	OPLC (64)	1166	0767	79/05/10.				·	
120	COMPROB	OPLC (64)	337	2241	75/01/30.					
121	COMPRCB	OPLC (64)	474	6726	70/03/12.					
	KRA113	K22000	DOK 15	N15000						
122	COMPRCS	OPLC (64)	1323	4477	79/05/10.					
123	COMPREI	OPLC (64)	523	7464	78/04/10.					
	N15000									
124	COMPREL	OPLC (64)	1116	6620	76/01/11.					
125	COMPRJC	OPLC (64)	245	3000	70/07/20.					
	KRA113	DOK14								
126	COMPRLI	OPLC (64)	1206	6725	70/10/05.					
	PRLI1	DOK18	PRL12		, , , , , , , , , , , , , , , , , , , ,					
127	COMPRES	OPLC (64)	260	2744	78/04/10.					
	N15000									
128	COMPRNS	OPLC (64)	500	3005	73/06/12.					
	KRA113	N15000	300		737007124					
129	COMPRSI	OPLC (64)	AAE	1241	70404455					
12,	N15000	UFEC 1647	445	1241	78/04/10.					
120	COMBOCC	0010 4441								
130 131	COMPRSS COMPSAF	OPLC (64)	1031	4503	79/05/10.					
LJL	DOKO1	OPLC (64) Krall3	363	3271	70/09/03.					
			DOK 15							
132	COMPSCA	DPLC (64)	1257	7512	78/04/10.					
133	COMPSDI	OPLC (64)	254	1316	76/01/09.					
	N14000									
134	COMPSON	OPLC (64)	512	0245	74/11/08.					
135	COMPSET	OPLC (64)	576	3553	78/04/10.					
	N15000									
136	COMPSES	OPLC (64)	176	3645	76/01/09.					

	C. T D. C	NC 001		•			70 / 10 / 20	00 07 53	0.465	
050	CATALOG (		FILE		DATE	COMMENTS	79/10/30.	09.07.53.	PAGE	6
REC	NAME	TYPE	LENGTH	CKZUM	DATE	CONNENTS				
137	COMPSEB	OPLC (64)	260	3475	73/05/05.					
	KRA113									
138	COMPSEE	OPLC (64)	673	5002	76/10/24.					
139	COMPSFI	OPLC (64)	415	1365	79/05/10.					
140	COMPSEN	OPLC (64)	254	4044	78/04/10.					
141	COMPSNT	OPLC (64)	40.6	7102	70/09/03.					
	K21001	KRA113	DOK15	N15000						
142	COMPSPA	OPLC (64)	307	3443	71/01/31.					
	KRA113									
143	COMPSRA	OPLC (64)	565	5577	70/09/03.					
	0006	K21001	KRA113	DOK15	N14000	N1 5000				
144	COMPSRU	OPLC (64)	313	3600	78/08/09.					
	KRA557A									
145	COMPSSE	OPLC (64)	510	6053	76/01/09.					
	N13000	0.20 1017	710	0033	10,01,076					
146	COMPSSE	OPLC (64)	441	2761	79/05/10.					
147	COMPSTA	DPLC (64)	324	3004	71/01/31.					
	KRAL13				, , , , , , , , , , , , , , , , , , , ,					
148	COMPSTI	OPLC (64)	343	4121	72/07/14.					
	K22000	DOK12	PSTI1							
149	COMPSUT	OPLC (64)	771	5254	76/01/09.					
	N14000									
150	COMPTGB	OPLC (64)	213	2424	76/01/09.					
151	COMPTLB	OPLC (64)	213	5226	76/01/09.					
152	COMPUPP	OPLC (64)	375	2207	71/02/01.					
	KRA113									
153	COMPUPS	OPLC (64)	1224	1033	78/04/10.					
154	COMPUSS	OPLC (64)	5337	2020	79/05/10.					
155	COMPVEC	OPLC (64)	321	2314	76/10/24.					
156	COMPVEN	OPLC (64)	327	3126	70/03/12.					
	KRA113			••••						
157	COMPVMS	OPLC (64)	7612	5210	76/01/11.					
	N14000	PVMS1	N15000							
158	COMPHBB	OPLC (64)	303	2513	70/03/12.		•			
	KRA113									
159	COMPICE	OPLC (64)	374	7013	70/03/12.					
	KRA113	K22000								
160	COMPHEI	OPLC (64)	537	0627	78/04/10.					
	N15000									
161	COMPWSS	OPLC (64)	1167	0303	79/05/10.					
		-		<del>-</del>						

REC	CATALOG Name	OF OPL Type	FILE LENGTH	1 CKSUM	DATE	COMMENTS	79/10/30.	09.07.53.	PAGE	7
162 163	COMPHVE (00)	OPLC (64) SUM =	1064 101167	5654 Library	79/05/10.					
164	COMSACC DOK15	OPLC (64) N14000	3116	6051	76/10/27.					
165	COMSBIO KRA586	OPLC (64) N15000	2417	3073	78/04/10.					
166	COMSCIO KRA243	OPLC (64) N14000	456 N15000	5124	73/05/05.					
167	COMSCPS N15000	OPLC (64)	1421	3062	78/04/10.					
168	COMSDSL	OPLC (64)	1541	1547	79/05/10.					
169	COMSESS	OPLC (64)	413	1561	79/05/10.					
170	COMSEVT	OPLC (64)	471	1117	79/05/10.					
171	COMSEXP	OPLC (64)	3642	3200	75/04/20.					
	KRA231	N13000	KRA306	KRA375	N14000					
172	COMSTOQ	OPLC (64)	1/70	7201						
	N12000	N13000	1675	7306	75/04/20.					
	112000	NI 3000	KRA339	DOKZO	KR A 584					
173	COMSJCE Kra600	OPLC (64)	273	0154	78/04/10.					
174	COMSJIO	OPLC (64)	1006	2672	79/05/10.					
175	COMSJRO	OPLC (64)	663	6146	78/04/10.					
176	COMSLDR	OPLC (64)	234	5735	73/06/12.					
177	COMSLEM	OPLC (64)	370	1236	78/05/16.					
178	COMSLSD	OPLC (64)	672	6225	79/05/10.					
179	COMSMMF	OPLC (64)	2055	0101	76/01/09.					
	KRAPFC									
180	COMSMRT KRA536	OPLC (64)	454	7564	76/01/09.					
181	COMSMSC	OPLC (64)	154	0565	70 (05 (10					
182	COMSMSI	OPLC (64)	136	2656	79/05/10. 76/03/04.					
	KRA616		130	2000	10703704.					
183	COMSMSP Krapec	OPLC (64) N15000	3752	0036	78/04/10.					
184	COMSMST Kraz63	OPLC (64) N14000	551 Krapfca	0442 N15000	76/01/09.					
185	COMSMTR NE4000	OPLC (64)	302	2450	76/01/11.					
186	COMSMTX	OPLC (64)	10114	4300	70.400					
187	COMSNCD	OPLC (64)	10114 1726	4702	79/05/10.					
188	COMSNET	OPLC (64)	212	7551 2622	78/04/10.					
-	K21006	N14000		2632	73/05/05.					

	CATALOG	OF OPL	FILE	1				09.07.53.	PAGE	8
KEC	NAME	TYPE	LENGTH	CKZUM	DATE	COMMENTS				
189	COMSPEM KRA620	OPLC (64)	6340	6062	79/05/10.					
190	COMSPES	OPLC (64)	3502	3323	73/05/24.					
	KKA113	SPFS1	KRA239	N12000	N14000					
191	COMSPFU	OPLC (64)	1147	0211	79/05/10.					
192	COMSPRD	OPLC (64)	650	5413	78/04/10.					
	KRA543	KRA573	N15000							
193	COMSPRO	OPLC (64)	2062	1661	78/04/10.					
194	COMSQES	OPLC (64) Kra584	2652 Kra608	5010	78/04/10.					
	KR A 5 4 1	KKAJOT	KKAGUO							
195	COMSREM	OPLC (64)	3060	6461	79/05/10.					
196	COMSRSX	OPLC (64)	1567	1507	78/04/10.					
	N15000									
197	COMSSCP	OPLC (64)	732	4653	76/10/24.					
	N15000									
198	COMSSCR	OPLC (64)	666	3747	79/05/10.					
199	COMSSES	OPLC (64)	3441	0545	73/05/05.					
	KRA038	K22000								
200	COMSSRU	OPLC (64)	5453	6650	75/02/22.					
	N12000	N13000	KRA313	KRA387	N14000	KR A387A	N15000			
201	COMSSSE KRA331	OPLC (64) SSSEL	2146 Kra401	4220 N14000	76/10/24. KRA545	KRAPFC	N15000			
	VK#331	33361	KKATUI	NITOUU	KKAJTJ	KKAFFC	N15000			
202	COMSSSI	OPLC (64)	706	7174	79/05/10.					
203	COMSTCM	OPLC (64)	2222	2333	76/10/27.					
	KRA500									
204	CUMSTOR	OPLC (64)	650	7573	73/05/05.					
	KRA064	KRA105	K22000	N12000						
205	COMSTRX	OPLC (64)	720	7.656	75/04/05.					
	N13000	N14000	N15000							
206	COMSHEI	DPLC (64)	147	04.22	70/0//10					
207	COMSZOL	OPLC (64)	167 426	0633 2601	78/04/10. 76/10/24.					
	N15000									
208	COMSIDS	DPLC (64)	740	1275	79/05/10.					
209	COMS176	OPLC (64)	124	4654	79/05/10.					
210	(00)	SUM =	120315	LIBRARY						
211	CONTOAC	001.0 4445	14.20		70 /05 /1 0					
211 212	COMTDA8 COMTDP6	OPLC (64) OPLC (64)	1620 425	5446 3633	79/05/10. 75/04/20.					
213	CONTOPO	OPLC (64)	425 545	6776	75/04/20.					
214	COMTNAP	OPLC (64)	405	4745	78/04/10.					
	TNAP 1									

REC	CATALOG (	OF OPL Type	FILE Length	CK SUM	DATE	COMMENTS	79/10/30.	09.07.53.	PAG	E 9		
215	COMT VDT	OPLC (64) TVDT2	2576 TVDT3	6562 KRA595	78/04/10.							
216 217 218 219	COMTEDP COMTEAD COMTEDP (OO)	OPLC (64) OPLC (64) OPLC (64) SUM =	344 526 342 7651	0172 1035 1005 LIBRARY =	78/04/10. 79/05/10. 78/04/10.							
220 221 222	CALLCPU CALLDIS CALLPPU N14000	OPL (64) OPL (64) OPL (64)	152 142 772	1071 4520 5766	76/10/27. 73/06/12. 76/10/27.	·						
223	CALLSYS Kron102	OPL (64)	41	7034	70/03/05.							
224	CALLTAB Kron102	OPL (64)	41	0776	70/03/05.							
225 226	CALLINT (OO)	OPL (64) SUM =	373 . 2003	7424 LIBRARY =	78/05/31. 12							
227 228	CODING (OO)	OPL (64) SUM =	37000 37000	3312 LIBRARY =	78/04/10. 13							
229	C10 C102 N15000	OPL (64) Kra550	67407 C101	1315 C103	78/04/10. KRAPFC	KR A581	C104	C105	C106	C107	C108	C109
230	CPM CPM1	OPL (64) CPM2	33145 CPM3	2451 KRA548	78/04/10. KRA557	KR 4562	CPM4	CPM5	N15000			
231	CVL KRA513	OPL (64) N15000	23035	1435	78/04/10.					•		
232 233	D126 D121 D10	OPL (64) OPL (64) N13000 DIS7	7252 61656 DIS2 N15000	0745 7347 Kra355	79/05/10. 76/01/11. DIS3	KR A 372	D154	D155	N14000	KRA544	KRA567	KRA548A
234 235	DSD DSP KRA362 DSP8	OPL (64) OPL (64) OSP1 OSP9	132351 24452 KRA362A KRA609	4613 1076 KRA378 N15000	79/05/10. 76/10/24. KRA384 DSP1A	DSP2	DSP3	DSP4	DSP5	N14000	DSP6	DSP7
236 237	ELM EXU K21001	OPL (64) OPL (64) KRAO65	3273 2413 EXU1	1023 2401 N15000	78/04/10. 70/12/20.							
238	FDL N15000	OPL (64)	21342	0725	78/04/10.							
239	IMS KRA553	OPL (64) Krapec	26256 Krapfca	1050 N15000	78/04/10. KRA616							

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REC	CATALOG Name	OF OPL Type	FILE LENGTH	CKSUM	DATE	COMMENTS		09.07.53.	PAGE	10		
240	LFM KRA513 LFM6	OPL (64) KRA524 LFM7	51775 KRA567 LFM8	1150 LFM1 LFM9	78/04/10. LFM2 N15000	LFM3	LFM4	KRA581	KRA596 .	KRA601	KR 4606	LFM5
241	MSM	UPL (64)	70262	4266	79/05/10.							
242	MTR	OPL (64)	45537	3412	79/05/10.							
243	0\$8	DPL (64)	1777	4062	79/05/10.							
244	OUT N13000	OPL (64) OUTI	222 <b>7</b> OUT2	4341 N15000	75/03/20.							
245	026	OPL (64)	44131	2117	78/04/10.							
	0261	KRA606	0262	0263	0264							
246	PFM	OPL (64)	134100	0635	79/05/10.		05.43	•				
	KRA620	PFM2	PFM3	PFM4	PFM5	PF M6	PFM7					
247	PFU	OPL (64)	54412	6753	78/04/10.							
	KRA547	KRA553	KRAPFC	KRAPFCA	PFU1	N15000	PFU3					
248	PPR	OPL (64)	13244	3557	79/05/10.							
249	QAC	OPL (64)	33652	2705	78/04/10.							
	D0K50	KRA543	QACI	DOK21	QAC2	N15000						
250	QAP	OPL (64)	31022	6762	78/04/10.							
270	KRA545	QAP1	KRA586	CAPS	QAP3	N1 5000						
251	QF M	OPL (64)	36003	5467	76/10/24.							
	KRA330	QFM1	KRA339	KRA378	QFM2	QF M3	QFM4	N14000	QFM5	DOK20	KRA545	QFM6
	QFM7	QF M8	QFM9	QFMLO	QFM11	N1 5000						
252	RDM	OPL (64)	17606	3712	78/04/10.							
	KRA556	KRAPFC	KRAPFCB	N15000								
253	REC	OPL (64)	34313	3732	78/04/10.							
	REC1	REC2	KRA567	KRA572	KRA588	REC3	REC4	REC5	N15000			
754	RPV	001 ((1)	11154	3001	20404410							
254	RPV1	OPL (64) N15000	11154	3004	78/04/10.							
366		004 444										
255	SET KRA502	OPL (64) Kra509	105622	2023	78/04/10.	00430	W0 4533	WD + D = 0	40.503			
	KKASUZ	KKAJUY	KRA513	KRA526	KR 4528	D0 K20	KR A 5 3 3	KRAPFC	KRA597	SET1	SET2	N15000
256	SFM	OPL (64)	33401	0234	76/01/11.							
	SFM1	KRA285	N13000	KRA318	KRA331	SFH2	KRA337	KRA338	SFH3	KRA382	KRA397	N14000
	KR A 5 5 3	KR 4559	KRA567	KRAPFC	SFM4	N1 5000						
257	SEP	OPL (64)	30.724	4436	78/04/10.							
	KRA567	SFPl	KRA581	SFP2	N15000							
258	SLL	001 1411	17414	2263	70 405 41 0							
259	STL	OPL (64) OPL (64)	17614 17612	3352 1722	79/05/10.							
260	TLX	OPL (64)	4116	3456	79/05/10. 79/05/10.							
261	VE J	OPL (64)	6137	0356	76/10/24.							
	AETI	N14000	KRA545	N15000	. 3, 10, 246							
262	(00)	SUM =	1654333	LIBRARY -	14							

REC	CATALOG Name	OF OPL Type	FIL LENGTH	E 1 CKSUM	DATE	COMMENTS		09.07.53	PAGE	11		
263	0AU N14000	OPL (64) N15000	3430	1435	76/10/24.							
264	OAV OAV1	OPL (64) OAV2	4551 N14000	4462 N15000	76/10/24.							
265	OBF Krasl3	OPL (64) OBF1	3010 Kra550	4461 N15000	78/04/10.							
266	0BP N15000	OPL (64)	11330	2632	78/04/10.							
267	ODF	OPL (64)	4504	0444	70/05/10							
268	0FA N13000	OPL (64) KRAPFC	1215	0664 5517	79/05/10. 76/01/11.							
269	ORF N15000	DPL (64)	2642	3263	78/04/10.					,		
270	ORP	OPL (64)	2555	4343	70/05/10							
271	L VO	OPL (64)	10465	6262 2134	79/05/10.							
272	(00)	SUM =	50566	LIBRARY =	79/05/10. 15							
273	1AJ	OPL (64)	101242	4705	78/04/10.							
	DOK19	KRA507	KRA517	1AJ1	1AJ2	1AJ3	KRA543	KRA548	KRA552	VDAEEE		
	KRA588	KRA600	KRA606	1AJ4A	1AJ5	1A J6	LAJ7	1AJ8	1AJ9	KRA555 1AJ10	1AJ4 N15000	KRA548A
274	1CD 1CD3	OPL (64)	33733	1213	79/05/10.							
275	1CJ 1CJ1	OPL (64) 10J2	12235 N15000	2302	78/04/10.							
276	1CK	OPL (64)	11767	5213	79/05/10.							
277	1DL	OPL (64)	3514	6146	76/10/24.							
	KRA370	N15000										
278	1DS	OPL (64)	24771	0562	79/05/10.							
279	110	OPL (64)	25163	0075	79/05/10.							
280	115	OPL (64)	6611	1304	79/05/10.							
281	1MA	OPL (64)	11670	3222	78/04/10.							
	IMAL	KR 4552	KRA566A	KRA600	1MA2	1MA3	N15000					
282	1 M B	OPL (64)	13404	0701	79/05/10.							
283	IMC	OPL (64)	2777	7640	79/05/10.							
284	1MT	OPL (64)	303162	1422	78/04/10.							
	KRA501	KRA508	1MT1	1MT2	1MT3	KRA533	KRA539	V D A S 4 7	IMTA		1 M T /	
	KRA572	KRA578	KRA580	KRA610	1MT8	1MT9	1MT10	KRA567 1MT11	1MT4 1MT12	1MT5 1MT13	1MT6 1MT14	1MT7 N15000
285	1R I	OPL (64)	24722	4027	70 404 44 -				-	· · = <del>-</del>	<b></b>	
207	1RI1	KRA543	24723 KRA566	4037 KRA567	78/04/10. 1RI2	V0 454 4 4	VD4673					
				NNMJOI	1415	KRA566A	KRA573	1RIZA	1813	1RI4	N15000	
286	1RO	OPL (64)	27330	0767	78/04/10.							
	KRA513	1801	KR A566A	KRA571	KRA573	1R 02	1R03	1R05	1R06	N15000		

REC	CATALOG (	OF OPL Type	FILE LENGTH	1 CKSUM	DATE	COMMENTS	79/10/30.	09.07.53.	PAGE	12		
287 288	15 [ 15 J KRA543	OPL (64) OPL (64) KRA573	2736 16125 18J1	7104 2435 N15000	79/05/10. 78/04/10.							
289	15P N15000	OPL (64)	11311	0356	78/04/10.							
290	1TA KRA513	OPL (64) 1TA1	76757 1TA2	2452 1TA3	78/04/10. 1TA4	1 T A 5	1TA6	KRA571	1TA7	1TA8	N15000	
291	1TO KRA506 N15000	OPL (64) 1TO1 1TO10	27532 1T02	1112 KRA561	78/04/10. 1103	1704	1105	KR A 5 6 1 A	1105A	1106	1708	1109
292	(00)	SUM =	1037157	LIBRARY =	16							
293 294 295	5ME 6DE 6DI 6DII	OPL (64) OPL (64) OPL (64)	1145 2204 15662	6042 5107 5503	78/04/10. 79/05/10. 79/05/10.						•	
296	6DP 6DP1	OPL (64)	10403	2615	79/05/10.							
297 298	6MD (00)	OPL (64) SUM =	1406 33244	2451 LIBRARY =	79/05/10. 17							
299 300	ACCFAM BLANK BLANK1	OPL (64) OPL (64) BLANK2	3013 6613 N14000	5350 7121	78/04/10. 76/10/27.							
301	CATALOG CATAL1	OPL (64) N12000	10716 N13000	6164 KRA312	75/03/20. Catal2	CATAL 3	CATAL 4	N14000	KRA554	KRA563	CATAL5	
302 303	CATLIST CHARGE KRA338	OPL (64) OPL (64) CHARG1	12347 11427 CHARG2	0700 1636 KRA519	79/05/10. 76/10/27. KRA557						•	
304	CHKPT1	OPL (64) N14000	10656 CHKPT2	1015 CHKPT3	76/10/27.							
305 306	CONFIG CONTROL CONTRI	OPL (64) OPL (64) CONTR2	23452 22730 N15000	4153 0733	78/04/10. 78/04/10.							
307	CONVERT KRA211	OPL (64) N14000	7244	4301	75/04/20.							
308	COPYB KRA374 COPYB8	OPL (64) COPYB1	44560 COPYB2	4663 COPYB3	77/03/21. COPY84	N1 4000	KRA524	KR A525	COPYB5	COPYB6	KRA554	COPYB7
309 310	COPYC COPY67 CPY2	OPL (64) OPL (64) SCPO46	2606 1340 KTITLE	6677 0367	78/04/10. 70/06/06.	·						

REC	CATALOG Name	OF OPL Type	FILE LENGTH	CKSUM	DATE	COMMENTS	79/10/30.	09.07.53.	PAGE	13		
311	COPY76 CPY2	OPL (64) SCP046	1157 KTITLE	5324	70/06/06.							
312	CPMEM CPMEM1	OPL (64) N15000	21045	0210	78/04/10.							
313 314	CPUMLD CPUMTR CPUMT1	OPL (64) OPL (64)	12706 161300	2617 6301	79/05/10. 79/05/10.							
315 316	CVLCP DAYFILE DAYFI1	OPL (64) OPL (64) Dayfiz	1536 11774 Dayf13	7176 0201 Dayfi4	79/05/10. 76/01/09. DAYF15	KR A397						
317	DFTERM DFTER1	OPL (64) N12000	21123 N13000	0131 DFTER2	75/03/10. DFTER3	KRA368	DF TER4	DF TER5	DFTER6			
318	DOCMENT KDC1 DOCME9	OPL (64) KDC2 N15000	22511 DOC1	3740 DOCMT1	70/08/25. DOCMT2	DO CME 3	DOCME4	DOCME5	DOCME6	DOK14	DOCME7	DOCME8
319	EDIT1	OPL (64) EDITZ	44555 EDIT3	2460 N14000	76/10/25. EDIT4	ED IT5	EDIT6					
320	ENQUIRE ENQUII ENQUI7	OPL (64) ENOUI2 N15000	16467 N12000	0046 N13000	75/05/08. ENQUI3	ENQUI4	KRA351	ENQUI5	KRA404	N14000	KRA519	ENQU16
321 322	FCOPY FILES FILES1	OPL (64) OPL (64) FILES2	4332 5357 FILES3	2302 4702 KRA115	79/05/10. 73/06/12. KRA135	K22000	N13000	FILES4	FILES5	FILES6	N15000	
323	FNTLIST KRA541	OPL (64) FNTLI1	17326	4245	78/04/10.							
324	GTR K21001 GTR9	OPL (64) GTR1 GTR10	10624 GTR2 GTR11	2047 GTR3 GTR12	73/05/17. KRA025 N14000	GTR4 KRA554	GTR5 GTR13	GTR6	KR A058	GTR7	GTR8	N13000
325	HELP1	OPL (64) DOKO3	2506 HELP2	1663 HELP3	71/03/02. HELP3A	HELP5	HELP6					
326 327 328 329 330	INSTALL ISF KRONREF LDC LDI LDI1	OPL (64) OPL (64) OPL (64) OPL (64) OPL (64) K22000	3551 5546 14163 534 1147 LDI2	7072 2275 5213 4453 7545 N14000	79/05/10. 79/05/10. 78/04/10. 75/07/11. 71/02/12.							
331 332	LIBEDIT Libgen Nizooo	OPL (64) OPL (64) N13000	35517 11335 KRA554	0501 5315 LIBGE1	79/05/10. 75/04/24. LIBGE2	L I BGE 3						
333	LISTLB LISTL1	OPL (64) LISTL2	7445 KRA393	7541 LISTL3	76/10/27.							

REC	CATALOG O	F OPL TYPE	FILE LENGTH	1 CKSUM	DATE	COMMENTS	79/10/30.	09.07.53.	PAGE	14		
334 335	L15780 L072	OPL (64) OPL (64)	3127 15025	6601 4117	79/05/10. 71/02/28.							
333	L0721	L0722	L0723	L0723A	L0724	L0725	L0726	L0727	L0728	L0729	L07210	
336	MAGNET Kra501	OPL (64) Magnel	33271 KRA533	2346 KRA539	78/04/10. KRA539A	KR A572	KRA578	KRA580	MAGNE2	N15000		
337 338	MFILES MODIFY MODIFI N14000	OPL (64) OPL (64) MODIF2 KRA554	3267 72243 MODIF3 MODIF11	1004 2530 MOD1F4 KRA611	79/05/10. 75/04/20. MODIF5 MODIF12	N1 3000 MODIF13	MODIF6	MODIF7	MODIF8	KRA352	MODIF9	MODIFIO
339	MODVAL MODVA1 MODVA10 MODVA19	OPL (64) KRA288 KRA393 MODVAZO	62011 MODVA2 MODVA11	7430 MODVA3 MODVA12	76/01/11. N13000 MODVA13	MODVA4 N14000	DOK16 MODVA14	MODVA5 MODVA15	MODVA6 KRA590	MODVA7 MODVA16	MODVA8 MODVA17	MODVA9 MODVA18
340	MSI KRA556	OPL (64) MSII	35622 MSI2	5660 Krapfc	78/04/10. MSI3	N15000	KRA616					
341 342 343	MSORT NOTE OPLEDIT OPLED1	OPL (64) OPL (64) OPL (64) OPLED2	2311 1723 25205 OPLED3	7255 2131 3623 OPLED4	78/04/10. 78/04/10. 75/03/20. OPLED5	KR A352	OPLED6	KRA611				
344	PACK PACK1	OPL (64)	1035	3066	76/01/11.							
345	PFATC PFATC1	OPL (64) PFATC2	10225 KRA116	5177 DOK13	73/05/24. KRA367	N1 4000	KRA556	KRAPFC				
346	PFCAT KRA556	OPL (64) Krapfc	21026 Krapfca	0647 PFCAT1	78/04/10.							
347	PFCOPY PFCOP1 N14000	OPL (64) PFCOP2 KRA556	11642 PFCOP3 KRAPFC	3467 PFCOP4	73/05/24. PFCOP5	KR A099	PFCOP6	KRA116	KRA216	DOK13	KRA367	PFCOP7
348	PFDUMP PFDUM1	OPL (64) Kra556	55257 PFDUM2	1053 Krapfc	78/04/10. PFDUM3	N1 5000						
349	PFILES KRA310	OPL (64) Kra393	15123 PFILES1	0220 N14000	76/10/27. KRAPFC	N15000						
350	PFLOAD Kra524	OPL (64) PFLOA1	73014 Kra547	2315 KRA556	78/04/10. PFLOA2	KRAPFC	KRAPFCC	KRA602				
351	PFS PFS1	OPL (64) Krao72	15361 PFS2	2274 K22000	73/05/24. KRA239	N1 2000	DOK13	N13000	PFS3	PFS4	N14000	
352	PROFILE PROFI1	OPL (64) PROFI2	61160 KRA393	5773 PROF13	76/09/21. N14000	PROF14	PROF15	PROF16	KR A 5 9 0			
353	PURGALL Krados	OPL (64) DOKO5	4171 Krao88	6175 Purgal	73/05/05. PURGA2	PURGA3	PURGA4					

REC	CATALOG Name	OF OPL Type	FIL LENGTH	E 1 CKSUM	DATE	COMMENTS	79/10/30.	09.07.53.	PAGE	15		
354	QDUMP Kra368	OPL (64) Kra379	31251 QDUMP1	3513 QDUMP2	76/10/24. QDUMP3	N14000	KRA525	KR A540				
355	QFSP KRA541	OPL (64) KRA568	44030 QFSP1	7237 QFSP2	78/04/10. QFSP3	KR A584	KRA608	QFSP4				
356	QLDAD Kra330	OPL (64) KRA368	22534 Kra379	0276 QLDAD1	76/10/24. QLOAD2	N14000	KRA525	QLOAD3	KRA568			
357	QMDVE Kra368	OPL (64) Kra379	33306 N14000	0477 Kra525	76/10/24. KRA540	QMOVE1						
358 359 360	QREC RESEQ RESEX KRA508	OPL (64) OPL (64) OPL (64) RESEX1	20751 11612 74667 RESEX2	0634 1023 7532 KRA544	79/05/10. 79/05/10. 78/04/10. KRA544A	KR 4544B	KRA572	RESEX3	RESEX4	RESEX5	RESEX6	
361	RESTART KRAO25 RESTAB	OPL (64) Restal Restag	10003 RESTA2 KRA255	0352 RESTA3 KRA267	73/09/25. RESTA4 RESTA10	RE STA3A KRA390	KRA110 KRA404	RESTAS RESTA11	RESTA6 N14000	RESTAT RESTAL2	KRA125 KRA559	KRA127 RESTA13
362	ROUTE Kra384	OPL (64) DOK18	5745 N14000	4765	76/10/24.							
363 364	SETCORE SFS K22000	OPL (64) OPL (64) SFS1	713 14514 N13000	2272 4050 SFS2	75/02/10. 73/05/24. KRA590							·
365	SORT N13000	OPL (64) SORT1	3657	1454	76/01/11.							
366	SUBMIT SUBMII	OPL (64) Submi2	13740 . Submi3	3654 SUBMI4	75/04/20. SUBMI4A	SUBMI5	51MBU2			•		
367	SASED11	OPL (64) Sysed2	34635 SYSED3	4501 SYSED4	76/10/24. SYSED5	SY SED6	N14000	KRA538	SYSED7	SYSED8	SYSED9	N15000
368	TCOMND Kra233	OPL (64)	1027	7063	74/09/06.							
369	TDUMP TDUMP1	OPL (64) DOKO5	6754 TDUMP2	2755 (TDUMP3 )	73/05/05. TDUMP4	TDUMP 4A	TDUMP5	TDUMP6	TDUMP7	TDUMP 8		
370 371	TRMDEF VALNET K21006	OPL (64) OPL (64) N12000	5610 4237 N13000	3212 4562 N14000	.79/05/10. 73/05/05. KRA561	VALNE1						
372	VERIFY N14000	OPL (64) Kra524	15137 KRA554	2525 KRA563	77/03/16.							
373 374	VFYL18 (00)	OPL (64) SUM =	11471 2305626	4675 Library =	79/05/10. 18							
375	(00)	SUM =	0	LIBRARY =	19							

REC	CATALUG Name	OF OPL Type	F I L LENGTH	CK2NW F I	DATE	COMMENTS	79/10/30.	09.07.53.	PAGE	16
376 377	CPUREL (00)	OPL (64) SUM =	231 231	2064 Library	79/05/10. - 20					
378	CMRDECK KRA287	NPL (64)	224	2665	75/05/02.					
379	CMRINST CMRIN1	OPL (64) N15000	1154	6701	78/04/10.					
380	IPRDECK KRA287	OPL (64) IPRDE1	205	4655	75/05/02.					
381 382	IPRINST Libdeck Krazb7	OPL (64) OPL (64)	706 203	0304 5151	79/05/10. 75/05/02.					
383 384	MOVEPF (00)	OPL (64) SUM =	72 3010	6712 Library	76/11/16. - 21					
385 386 387	GENHELP Genval (00)	OPL (64) OPL (64) SUM =	56 32 110	1375 0362 Library	73/05/05. 76/01/14. 22					
388 389 390	EOR1 EOR2 EOR3	OPL (64) OPL (64) OPL (64)	3 3 3	7105 7105 7105	75/05/08. 75/05/08. 75/05/08.			•		
391 392 393 394	EOR4 EOR5 EOR6 EOR7	OPL (64) OPL (64) OPL (64)	3 3 3	7105 7105 7105	75/05/08. 75/05/08. 75/05/08.					
395 396 397	EOR7 EOR8 EOR9 EOR10	OPL (64) OPL (64) OPL (64) OPL (64)	3 3 3	7105 7105 7105 7105	75/05/08. 75/05/08. 75/05/08. 75/05/08.					
398	(00) OPL	SUM =	36 1361	LIBRARY :						
400	* EOF *		6046755		. ,					

CROSS REFE DIRECT LOC SYMBOL V			OPL FILE	=OPL	SYS. TEXT	=NDSTEXT	NOS 1-9E0	7T/R4A.	79/10/30.	15.07.22.	PAG	E 1
TO	0	COMDOIS COMPLDA DSD OFM 1DS 6DI 1LS	COMDDSP COMPRIC ELM REC 110 60P OMF	COMDSYS COMPSCA FDL RPV 1MB 6MD 1MR	COMMMSE COMPSON IMS SET IMC PROFILE CMD211D	COMPANS COMPSEI LFM SFM 1MT LTN COMPBKP	COMPCEA COMPSRA MSM SFP 1RO 1TO CPD	COMPCRA COMPSSF MTR STL 1SJ COMP3XD DDF	COMPC2D COMPVHS O26 TLX 1SP SMP OIS	COMPOTS CIO PFM ORP 1TA 1TS	COMPOV5 CPM PFU 1AJ 1TO CHD TMG	COMPGBN DIS PPR 1CD 6DE 1ED 1LC
Т1	1	COMDDIS COMPCMA COMPRBB COMPSFI COMPVFN DSP PFM SFP ORF 1MB 6DE COMP3XD 1ED Q26	COMDOSP CUMPCMX COMPSNT COMPSNT COMPVMS ELM PFU SLL ORP 1MC 6DI ADC 1LS TMG	COMDSYS COMPCRA COMPCS COMPSRA COMPWBB EXU PPR STL OVJ 1MT 6DP BAT OMF	COMMMSE COMPCVI COMPREI COMPSSE COMPWCB FDL QAC TLX 1AJ 1RI 6MD DOG 1MR	COMPACE COMPECX COMPSSF COMPSSF COMPSSF IMS QAP VE J 1C D 1R O CONTROL OS 1 CMD 21 1 D	COMPACS COMPENS COMPRNS COMPSTI CIO LFM QFM OAU ICJ ISI SYSEDIT SMP COMPBKP	COMPANS COMPGBN COMPRSI COMPSUT CPM MSM RDM OAV ICK ISJ COMIIES WRM ABP	COMPCEA COMPGJN CUMPRSS COMPUPP CVL MTR REC OBF 1DL 1SP 1TN 1TS CPD	COMPCEP COMPLOA COMPSCA COMPUPS DIO OSB RPV OBP 1DS 1TA COMITES ABC DDF	COMPCLD COMPMRQ COMPSEI COMPUSS DIS OUT SET ODF LIO 1TO 1TD CHD EYE	COMPCLX COMPMSD COMPSFE COMPVFC DSD O26 SFM OFA 1MA 5ME 1TP XSP QIS
T2	2	COMDOIS COMPMSD COMPVMS FDL QAC TLX ICD ISI ITN WRM EYE	COMDSYS COMPRCB COMPWCB IMS OAP VEJ ICK ISJ COMITES ITS OIS	COMMMSE COMPRCS COMPHVE LFM OFM OAV 1DL 1SP 1TD CHD QZ6	COMPACE COMPRLI CIO MSM RDM OBF IDS ITA ITP XSP TMG	COMPACS COMPSEI CPM MTR REC OBP 110 1TO COMP3XD 1ED VMO	COMPCMA COMPSFE CVL OSB RPV ODF 11S 5ME ADC 1LS	COMPCMX COMPSFI DIO OUT SET OFA 1MA 6DE BAT 1MR	COMPDV5 COMPSEN DIS 026 SEM ORE 1MB 6DI DOG CMD211D	COMPECX COMPSSE DSD PFM SFP ORP 1MT 6DP DS1 ABP	COMPEAT COMPUPS DSP PFU SLL OVJ 1RI SYSEDIT HFM CPD	COMPGBN COMPUSS EXU PPR STL 1AJ 1RO COMITES SMP ODF
T3	3	COMDSYS COMPSEI CVL MIR SET ORF IMT ITD IMR	COMPACE COMPSFE DIO OSB OVJ IRI ITP COMPBKP	COMPCLD COMPSEN DIS OZ6 SEP 1AJ 1RO DOG ABP	COMPCMA COMPSRA DSD PFM SLL 1CD 1SJ DS1 CPD	COMPCMX COMPUPS DSP PFU STL 1CJ 1SP HFM DDF	COMPFAT COMPUSS ELM PPR VEJ 1DS 1TA SMP GIS	COMPRBB COMPYMS EXU QAC OAU 1 H O 1 H O HR M	COMPRCB COMPWEI FDL QAP OAV 11S 6DI 1TS TMG	COMPRCS COMPWVE IMS OFM OBF IMA COMIIES CHD	COMPRNS CIO LFM RDM OBP 1MB 1TN XSP	COMPRSS CPM MSM REC ODF IMC COMITES ILS
T4	4	COMDDIS DIO PPR OAV IIS 6DE HRM ILC	COMMMSE DIS QAP OBF 1MA 6DI 1TS	COMPCLD DSD OFM OBP 1MB 6DP CHD	COMPCMA DSP RDM ODF 1MC 6MD XSP	COMPCUN ELM REC OVJ 1MT COMITES 1ED	COMPFAT LFM SET 1AJ 1RI 1TN 1LS	COMPUSS MSM SFM 1CD 1RO COMITES 1MR	COMPYMS MTR SFP ICJ 1SJ 1TD DDF	CIO OSB SLL 1DL 1SP OS1 QIS	CPM 026 STL 1DS 1TA HFM 026	CVL PFM OAU 110 1TO SMP TMG
T 5	5	COMDDIS COMPRCS	COMPACE	COMP SD1	COMPCKP COMPSDN	COMPCLD COMPSEI	COMPCRA COMPSES	COMPCTI COMPSSE		COMPCUT COMPSUT	COMPDIS COMPTGB	COMPFAT COMPTLB

DIRECT	EFERENCE LOCATIONS	i •	OPL FILE	-OPL	SYS. TEXT	-NOS TEXT	NOS 1-9E0	7T/R4A.	79/10/30.	15.07.22.	PAGI	2
SYMBOL	VALUE	DECK REFE	KENCE2.									
		COMPUSS FDL	COMP VMS IMS	COMPWSS LFM	010 MSM	CPM MTR	010 820	01S	DSD PFM	DSP PFU'	ELM PPR	EXU
		QAP	QFM	RDM	REC	SET	SFH	SFP	SLL	STL	VEJ	OAU
		VAO	OBP	ODF	OFA	ORF	ORP	0.7	143	100	163	1CK
		105	110	115	1 MA	1MB	LMT	IRI	180	151	150	LTA
		110	5 ME	106	6DP	COMILES	1TN	COMITES	170	1 T P	051	115
		CHD	XSP	160	1LS	OMF	1MR	CPD	DDF	210	926	TMG
		1LC						2.7.2			420	*****
16	6	COMDDIS COMPRSS	COMDDSP COMPSCA	COMPACE COMPSEI	COMPCEA	COMPCRA	COMPCUN	COMPDTS	COMPEAT	COMPLDA	COMPRES	COMPRNS
		COMPRVE	CIO	CPM	COMPSNT DIO	CUMPSRA DIS	COMPSSE	COMPSTI	COMPUSS	COMPVMS	COMPWEI	COMPWSS
		MSM	MTR	058	026	PFM	DSD	920	EXU	FOL	IMS	LFM
		REC	SET	SFM	SFP	SLL	PFU STL	PPR	QAC	QAP	QFM	RDM
		OFA	ORF	ORP	0 1 1	1A J	1CD	1CJ Vej	OAU	VAO	08P	ODF
		1MA	1 MB	IMT	1R I	180	15.1	1 S P	1CK 1TA	1DS 1TO	110 6D1	115 6DP
		6MD	COMITES	1TN	COMITES	170	179	DS 1	WRM	112	CHD	XSP
		160	ILS	OMF	1MR	CPD	DDF	210	026	TMG	1LC	Y3L
17	7	COMDDIS	COMPACE	COMPCEA	COMPCRA	COMPEAT	COMPLDA	COMPRCS	COMPRNS	COMPRSS	COMPSCA	COMPSON
		COMPSEI	COMPSRA	COMPVMS	COMPWEL	COMPHSS	COMPWVE	CIO	CPM	DIO	015	050
		DSP	EXU,	FDL	IMS	LFH	HSH	MTR	0 \$ B	026	PFM	PFU
		PPR VEJ	QAC	QAP	OFM	RDM	REC	SET	SFM	SFP	SLL	STL
		108	0 A U 1 I O	0AV 211	OBP	ODF	ORP	CVJ	laj	100	1CJ	1 CK
		110	5ME	6DI	1MA 6DP	IMB 6MD	IMT	181	1RO	15J	1SP	1TA
		WRM	175	CHD	XSP	160	COMITES 1LS	1TN OMF	COMITES	1 TD	1TP	051
		Q26	SPD	1LC	A31	LED	IL3	UNF	1MR	CPD	DDF	210
СМ	10	CPCOM	COMCHAC	COMCCVI	CONCIOP	COMDDIS	COMDDSP	COMDSYS	COMMMSE	COMPANS	COMPCDI	COMPCEA
		COMPCEP	COMPCIB	COMPCKP	COMPCLD	COMPCLX	COMPCHA	COMPCHX	COMPCOB	COMPCRA	COMPCRS	COMPCTI
		COMPCUA	COMPCUN	COMPCUT	COMPCVI	COMPDTS	COMPECX	COMPFAT	COMPGJN	COMPGTN	COMPIFR	COMPIRA
		COMPLDA	COMPARQ	COMPRCB	COMPRES	COMPREI	COMPRIC	COMPRLS	COMPRSI	COMPSAF	COMPSCA	COMPSDI
		COMPSON	COMPSEI	COMPSES	COMPSEB	COMPSEE	COMPSEI	COMPSNT	COMPSPA	COMPSRA	COMPSRU	COMPSSE
		COMPSSE	COMPSTA	COMPSTI	COMPSUT	COMPTGB	COMPTLB	COMPUPP	COMPUSS	COMPVMS	COMPWCB	COMPHVE
		COMSACC Elm	COMSSRU Exu	COMTVOT FDL	CALLINT	CIO	CPM	CVL	010	DIS	DSD	DSP
		PFU	PPR	QAC	IMS Qap	LFM QFM	MSM	MTR	0SB	001	026	PFM
		SLL	STL	TLX	VEJ	OAU	RDM OAV	REC OBF	RPV OBP	SET	SFM	SFP
		ORP	017	1AĴ	100	101	1CK	1DL	105	0DF 110	OFA	ORF
		1 MB	IMC	141	181	180	151	15J	103 15P	1 T A	11S 1TO	1MA
		6DE	100	6DP	6MD	CATLIST	CONTROL	CPUMLD	CPUMTR	DETERM	EDIT	5ME FNTLIST
		MAGNET	MODVAL	PROFILE	QDUMP	QL DAD	OMOVE	QREC	RESTART	SES	SYSEDIT	COMITES
		1 T N	IAFEX	COMITES	110	TELEX	LTP	DBFORM	TAF	COMCCOP	COMP3XD	ADC
		BAT	DOG	DS1	HF M	SMP	HRM	175	DEMUX	1050	CHD	XSP
		1ED	1LS	OMF	1 MR	XEDIT	CMD211D	COMPBKP	ABP	CPD.	DDF	EYE
		012	926	SPD	TMG	VMO	1LC				00.	
LA	15	COMPREL OBF	COMPRLI	210	DSD	IMS	026	PPR	QAP	REC	OAU	OAV
		KTSDMP	0BP 1LS	ODF OMF	OF A	ORF	ORP	0 A J	60 I	CPMEM	CPUMTR	PFLOAD
T.D.					CPD	012	026					
IR	50	COMPCIB	COMPCOB	COMPSAF	COMSPEN	CIO	CPM	CVL	010	210	DSP	ELM
		EXU	FDL	IMS	LFM	HSM	OUT	0.59	PFM	PFU	PPR	QAC
		QAP	QFM	RDM	REC	RPV	SFM	SFP	SLL	STL	TLX	VEJ
		OBF	OBP	LAI	100	1C J	1CK	1DL	105	110	115	1 MA

CROSS RI Direct i Symbol	EFERENCE LOCATION VALUE	OF OPL. S. DECK REFE	OPL FILE	-OPL	SYS. TEXT	r=nos text	NOS 1-9E0	)7T/R4A.	79/10/30.	15.07.22.	• PAG	E 3
3711002	VALUE	DECK KEFE	KENCE3.									
		IMB COMITES OMF VMO	1MC 1TD 1MR 1LC	1MT 1TP Cümpbkp	1RI DOG ABP	1RO HFM CPD	1TA SMP DDF	EAE 112 110	5ME DSDI QIS	CPUMTR CHD Q26	COMITES XSP SPD	ITN ILS TMG
		***************************************	ILC									
RA	55	CETEXT COMPSTA DIS PPR VEJ 1SI LTP OMF COMEJCA	CPCOM COMPUPP OSP QAC OBP 1TA TAF 1MR	COMDDIS COMPUSS ELM GAP IAJ 1TO COMSSTM ABP	COMPCIB COMPWBB EXU QFM 1CD CPUMTR HFM CPD	COMPCLX COMPHCB FDL RDM 1DS PFILES SMP DOF	COMPCMA COMSJRO IMS RPV 1IO COMIIES 1TS QIS	COMPCOB COMPFM LFM SFM 11S 1TN DSD1 Q26	COMPCUA CIO MSM SFP 1MA IAFEX CHD SPD	COMPRBB CPM 026 SLL 1MT COMITES XSP TMG	COMPRCB CVL PFM STL 1RI 1TD 1ED VMO	COMPSPA DIO PFU TLX 1RO TELEX 1LS
FL	56	CETEXT CIO MTR SET LMT SYSEDIT LTS TMG	CPCOM CPM O26 SFM 1RI 1TP MST COMKTLD	COMCMAC CVL PFM SFP 1RO TAF CHD 1LC	COMPCIB DIS PFU SLL 1SI COMCCDP XSP COMAUCR	COMPCLX DSD PPR STL 1SJ COMSSTM 1LS	COMPCMA DSP QAC TLX LTA ADC CPD	COMPCOB ELM QAP VEJ CONTROL DOG DDF	COMPRLS EXU OFM 1AJ CPMEM DS1 EYE	COMPRSI FDL RDM 1DS CPUMTR HFM QIS	COMSEXP LFM REC 110 FNTLIST SMP Q26	COMSMTX MSM RPV IMA OFSP WRM SPD
ON	70	COMCMAC COMPVMS DIO OUT SET ORP IMT 6DP PFILES ITD COMCCDP IED Q26	COMCWTH COMPWBB DIS O26 SFM OVJ IRI ACCFAM PFLOAD TELEX DOG ILS SPD	COMMMSE COMPHET DSD PFM SFP 1AJ 1RO CHKPT QDUMP COMBOBM HFM OMF	COMPCVI COMPWSS DSP PFU SLL 1CD 1SI CONFIG QFSP COMBINT SMP 1MR COMAMSS	COMPMRQ COMPWVE ELM PPR STL 1CJ 1SJ CPMEM OMOVE COMKNAM 1TS MREC MAC2	COMPRBB COMSMSP EXU OAC TLX 1CK 1SP DAYFILE OREC COMKNHC DSDI XEDIT	COMPRCS COMSMTX FDL QAP VEJ 1DS 1TA DFTERM RESEQ 1TP SCRSIM COMPBKP	COMPSCA COMSSCR IMS QFM OAU 110 1TO EDIT RESEX OBFORM STIMULA ABP	COMPSON CIO LFM RDM OBP 1IS 5ME MAGNET TRMDEF KTSOMP ABC CPD	COMPSSE CPM MSM REC ODF 1MA 6DE MODVAL 1TN LIBTASK CHD DDF	COMPUSS CVL MTR RPV ORF IMB 60I PFDUMP IAFEX TAF XSP QIS
HN	71	COMMMSE EXU OFM 110 COMITES TMG	COMPMRQ IMS REC 1IS 1TD	COMPSFI LFM SET 1MA 1TP	COMPVEC MSM SEM 1MT DS1	COMPVMS MTR SLL IRI ITS	COMSMSP 026 STL 1RO 1LS	CIO PFM VEJ 1TA OMF	CPM PFU 1AJ 6DE 1MR	DIS PPR 1CJ 6DP CPD	DSD QAC 1CK COMITES DDF	DSP QAP 1DS 1TN Q26
ТН	72	COMPCRA MSM 1AJ 1LS	COMPIRA PFM ICJ OMF	COMPSCA PFU 1MB 1MR	COMPSEI QAC 1MT DDF	COMPSNT REC 1RI	COMPSRA RPV 1RO	COMPSSF SET 1TA	C10 SLL 110	CPM STL CPUMTR	D10 D10	DSD ORF 1ED
TR	73	COMDOSP LFM REC 1CK 1TA CHD	COMMMSE MSM SET 1DS 1TO 1MR	COMPHEI MTR SFM 110 5ME CMD211D	C10 026 SFP 11S 6DP COMPBKP	CPM PFM SLL 1MB RESEX ABP	CVL PFU STL 1MC 1TN QIS	DIO PPR OAU 1MT 1TD Q26		QAP laj lro	FDL QFM 1CO 1SJ 1TS	IMS RDM 1CJ 1SP DEMUX

SYMBOL VALUE DECK REFERENCES. CP 74 COMCHAC IVOOMOO COMDDIS COMDOSP COMPCLX COMPCUA COMPCUN COMPCVI COMPRCS COMPREI COMPRES COMPRSI COMPSSE COMPUSS COMSACC COMPSEE COMPSRU COMPVMS COMSEXP COMSSRU COMSIDS CONTVOT CIO CPM CVL 010 210 DSD DSP ELM FOL IHS LFH MSM MTR OUT 026 PFM PFU PPR QAC QFM QAP RDM REC RPV SET SFM SFP SLL STL TLX VEJ OAV OBF OBP ODF OVJ LAJ 1CD 1CJ 1CK 1DL 105 110 115 1MA LMB IMI 1RI 180 151 151 1SP 1TA 110 CPUMTR HODVAL PFS PROFILE LTN LTD LTP COMP 3XD TAF ADC BAT DOG DSI HEM SMP WRM ITS DSDI CHD XSP 1ED 115 E200CP CMD211D 1 MR COMPBKP CPD DDF EYE 210 926 TMG 1LC IA 75 COMPCRS COMPMRQ COMPWVE DIO DIS DSD IMS LFM MSM 026 PFM PPK QAP REC RPV SET SFM SFP SLL STL 1AJ 10L 105 110 1 MB 1 MC 1MT 1RI 180 151 1SP 1TA 110 COMITES COMITES 1TN 1TD 115 SMP 160 115 COMPBKP CPD DDF 210 926 SPD O A 76 COMPHRQ CIO 010 015 050 MTR PPR SET STL 1 A J 10L IMT IRI 180 6DE 1 G 6 1TN 110 COMP 3XD 11.5 CHD211D 215 **Q26** MA 77 COMMMSE COMPCVI COMPDTS COMPSCA COMPSEB COMPUSS COMPHVE CIO CPM 210 DSD DSP ELM FDL IMS LFM MSM OUT MTR 026 PFM PFU PPR QAC QAP QFM REC RPV SET SFM SFP SLL STL TLX VEJ VAO DAU ODF ORF OVJ 1AJ 1CD 1 C J 1CK 105 110 115 1MA 1MC 1HT 1RI 180 151 15P 1 T A 110 60E 6D1 6DP 6MD CPUNTR RESEQ 1TN IAFEX 110 TELEX BDHI DOG SMP 115 XSP 160 1LS OMF 1 MR MREC CPD

SYS. TEXT=NOSTEXT NOS 1-9E07T/R4A.

79/10/30. 15.07.22.

PAGE

4

CROSS REFERENCE OF OPL.

DDF

210

926

TMG

DIRECT LOCATIONS.

OPL FILE \* OPL

	REFERENCE IDENT ENTR VALUE	OF OPL. RY POINTS. DECK REFE	OPL FILE	= OPL	SYS. TEXT	=NOSTEXT	NOS 1-9E0	7T/R4A.	79/10/30.	15.07.22.	PAG	E 5
ETB	6	COMTVDT	DSDI									
SLM	106	COMMMSE MTR 1TO	COMPCRA PFM 6DI	COMPRSS PFU 6DP	COMPSEI PPR OSDI	COMPSRA Sll 1mr	COMPWSS CPD	COMPHVE 1CK DDF	C10 105	IMS IIS	LFM 1RO	MSM LTA
MSD	107	015 926	026	PPR	SET	SFP	100	100	111	110	1020	210
PPR	114	PPCOM LFM RDM 1CD 1RI 1TD XSP TMG	CIO MSM REC 1CJ 1RO 1TP 1ED VMO	CPM MTR RPV 1CK 1SI ADC 1LS	CVL OUT SFM 1DL 1SJ BAT 1MR	DI 0 026 SFP 1DS 1SP DOG ABP	DIS PFM SLL 110 1TA DS1 CPO	DSP PFU STL 1IS 1TO HFM DDF	ELM PPR TLX 1MA 5ME SMP EYE	EXU QAC VEJ 1MB 6DI HRM QIS	FDL QAP OBF 1MC CPUMTR 1TS Q26	IMS OFM 1AJ 1MT 1TN CHD SPD
FTN	336	DSD	SLL	188	IAFEX	TELEX	1020	ACPD				
RCH	377	1AJ '	COMITES	1020								
DCH	406	COMITES	1020	MST	TMG				•			
DFM	442	COMPSSE LFM REC 1CJ 1SI DOG 1MR	CALLINT MSM RPV 1CK 1TA DS1 CMD211D	CIO OUT SFM 1DS 5ME HFM CPD	CPM 026 SFP 110 6DI SMP DDF	CVL PFM SLL 1IS 6DP WRM EYE	DIS PFU TLX IMA ITN ITS QIS	DSP PPR VEJ IMB I TD DSDI TMG	ELM QAC OAU 1MC 1TP CHD VMO	EXU QAP OAV 1MT COMP3XD XSP 1LC	FDL QFM ORP 1RI ADC 1ED COMZITM	IMS RDM LAJ LRO BAT LLS
EXR	476	CIO SFP	CPM ODF	42 D S P	IMS 110	LFM 1MT	PFU 1ro	PPR LTA	QAC DSDI	QAP 1LS	QFM DDF	REC
RDS	560	COMDDSP MTR OAV DOG	COMPACE 026 0RF DS1	COMPRNS PFM ORP WRM	COMPRSS PFU 1CJ OSDI	COMPHVE PPR 1CK CHD	CIO QAC 1IS 1MR	DIS QFM 1MT DDF	FDL RDM 1TO EYE	IMS REC 6DI 9IS	LFM SFM ADC Q26	MSM OAU BAT
WDS	563	COMPHEI SFM IRO	COMPHSS SLL 1TA	COMPWVE OAU 1TO	CIO OAV 6DI	IMS ORF DSDI	MSM ORP OMF	MTR 1AJ 1MR	PFM 1CJ CPD	PFU 1CK DDF	PPR 105	QAC LIS
PPFW	1100	COMSMSC LFM REC 1CJ 1RO 1TN 1TS TMG	CIO MSH RPV ICK ISI COMITES CHD VMO	CPM OUT SET 1DL 1SJ 1TD XSP 1LC	CVL 026 SFM 1DS 1SP 1TP 1ED	D10 PF M SF P 110 1T A ADC 1L S	DIS PFU SLL 1IS 1TO BAT 1MR	DSP PPR STL 1MA 6DE DOG ABP	ELM QAC TLX 1MB 6DI DS1 CPD	EXU QAP VEJ 1MC 6DP HFM DDF	FDL QFM 1AJ 1MT 6MD SMP EYE	IMS RDM ICD IRI COMITES WRM SPD

CROSS REFE MONITOR FU SYMBOL \			OPL FILE	<b>-</b> OPL	SYS. TEXT	≈NOSTEXT	NOS 1-91	EO7T/R4A.	79/10/30.	15.07.22.		PAGE 6
ССНМ	3	COMUDSP	COMOTEN	OSO	MTR	DDF	TMG					
DCHM	4	COMDTFN	DSD	MTR	PPR							
DEQM	5	COMDDSP 1TN	COMDIFN COMITES	LFM 1TD	MTR 1TS	REC- 1ED	00F Q1S	1CD 926	1C J	110	1MT	COMITES
DEMM	6	COMPTEN	MTR	PPR	1MT	TMG						
SEQM	10	COMDTFN 6DI	DSD	IMS	MSM	MTR	QAP	RDM	STL	105	110	1MT
PRLM	11	COMDTFN	MTR	PPR	1MT	CPUMTR	160	TMG				
RCHM	12	COMDTEN	DSO	MTR	PPR	INT						
REMM	13	COMDTEN	CPM	DIS	MTR	210						
REOM	14	COMDDSP 926	COMDTFN	LFM	MTR	110	141	COMITES	COMITES	175	160	QIS
ROCM	15	COMDTEN 1DS	CIO 1MA	CPM 15J	CVL 1SP	DIS 1TA	LFM	MTR	PFM	SFP	1AJ	1 C K
RPRM	16	COMDTEN 151	CPM 1SP	DIS 1TA	MTR 1TP	026 Smp	1 A J CHD	1DS DDF	110 915	115 Q26	1MT TMG	181
MZLA	17	COMDTEN	MTR	QFM	SFM	0 A 1	1AJ	105	151	LTA	110	
RSTM	21	COMDTFN 1ro eye	COMPREI 15J	COMPRLS ADC	COMPRSI Bat	MT R Dog	REC DS1	SLL SMP	STL WRM	1AJ 1TS	110 1L\$	1MT ODF
DSRM	23	COMDTEN	020	MTR	1MB		•					
ECXM	24	COMDTEN	MTR	181	180							
TGPM	25	COMDTEN	MTR	105	170							
TSEM	26	COMOTEN 1tn	CPM IAFEX	MTR 1TD	RPV Telex	TLX	LAJ	105	1RI	180	1TA	110
DEPM	27	COMDTEN	COMMMSE	MTR	6D.I	6DP						
DRCM	30	COMOTEN	C10	010	MTR	1MT						
SCPM	31	COMDTEN	CPM	MTR								
EATH	32	COMDTEN CPD	COMPCUT	CPM	1 M S	MSM	MTR	OFA	ORP	105	1 M T	15P
DSMM	33	COMDTEN	MTR	IMT	103	6DP	6MD	TMG				
CPUM ABTM	36 36	COMPMRQ COMDTEN PEM	MTR CPM PPR	PPR CVL QAC	CPUMTR DIS QAP	OSP QFM	ELM RDM	E XU R P V	IMS SFM	LFM SFP	MSM SLL	026 TLX

MONITOR		IS.	OPL FILE	=OPL	SYS. TEX	T=NOSTEXT	NOS 1-9E	07T/R4A.	79/10/30.	15.07.22.	P.4	/GE	7
SYMBOL	VALUE	DECK REFE	RENCES.										
		VEJ	1AJ	115	1 MA	1MB	1MT	RSI	106	CPUMTR	179	ADC	
		BAT	DOG	DSI	SMP	WRM	175	CHD	XSP	ILS	1MR		
		EYE	VMO	1LC				0110	A31	IL.J	INK	DDF	
CCAM	37	COMDTEN	010	QAC	REC	SLL	STL	1.CK	105	1MT	180	151	
		15P	1TA	CPUMTR	CPD					****	****	133	
CEFM	40	COMDDSP	COMDTEN	CALLINT	CIO	CPM	DIS	DSD	DSP	FDL	LFM	MTR	
		026	PFM	PFU	PPR	QAC	QFM	RPV	SFM	SEP	1AJ	1CK	
		1DS 01S	IMA	IMT	1R [	1TA	CPUMTR	1.TN	110	LED	165	DDF	
DCPM	4.1												
UCFN.	41	COMDTFN 1TS	D1S CHD	EXU 1LS	MTR QIS	026	RPV	1AJ	105	CPUMTR	1 T P	SMP	
SFIM	42	COMDTEN	COMPSFI	DSD	SET	CPUMTR							
						CFUNIK							
DTKM	43	COMDTEN	010	DSP	IMS	LFM	MSM	PFM	PFU	PPR	QF M	REC	
		SFM	SFP	SLL	VEJ	ODF	ORP	1CJ	1 CK	10\$	115	181	
		180	LTA	110	CPUMTR	XSP	OMF	1MR	CPD	DOF			
DPPM	44	COMDTEN	010	CPM	CVL	010	DIS	DSP	ELM	EXU	IMS	LFM	
		MSM	OUT	026	PFU	PPR	QAC	QAP	QFM	RDM	REC	RPV	
		SFM	SFP	SLL	STL	TLX	VEJ	OBF	1AJ	1CD	1CK	10L	
		105	110	115	1 MA	1MB	1MC	147	180	151	15 J	LTA	
		110	5ME	CPUNTR	1TN	110	1TP	ADC	BAT	DOG	DS1		
		SMP	WRM	175	CHD	XSP	1ED	165	1MR	ABP	CPD	HEM	
		EYE	210	926	SPD	TMG	VHO	iLC	LIIK	ADT	CFU	DDF	
ECSM	45	COMDTEN CPUMTR	COMPOTS OMF	COMPIFR 1mr	210	050	IMS	MSM	MTR	SFM	1AJ	105	
RCLM	46	COMDTEN	210	DSD	EXU	MTR	RPV	CPUMTR	1TN	110	СНД	915	
RCPM	47	COMDTEN	DIS	EXU	MTR	RPV	C TI						
	• •	1 T P	HEM	SMP	175		STL	laj	105	1RI	1RO	CPUM	TR
		•••	*****	3111	113	CHD	CPD	012	TMG				
RDCM	50	COMDTEN	CPM	MSM	QAP	REC	SFM	1AJ	1MT	1TA	CPUMTR	1 T N	
		1 TD	115	11.5			• • • • • • • • • • • • • • • • • • • •	2110	2,	***	CTONIK	111	
IAUM	51	COMDTEN	COMPSUT	MSM	PFM	PFU	OAU	OAV	OFA	1TA	CPUMTR	1 MR	
ACTM	52	COMDTEN	CPM	OAU	1AJ	1C J	181	180	1 TA	CPUMTR			
RPPH	53	COMDTEN	210	DSD	MTR	026	STL	1.00	***				_
		1TN	110	00G	SMP	175	168	1CD DDF	110 915	1MT 926	151	CPUM	FR
RS JM	54	COMDTEN CPUMTR	COMPREI	COMPRSI	QFM	1CK	105	1MB	180	15J	1SP	114	
RTCM	55	COMDTEN	010	DSP	IMS	LFM	MSM	₽∉M	PFU	PPR	QAP	QFM	
		REC	SLL	VE J	OBF	1C J	1CK	105	115	1RO	LTA	110	
		CPUMTR	1 T P	XSP	OMF	IMR	CPD		**3	170	TIM	110	
SFBM	56	COMDTEN	COMPSEB	010	PFU	OR F	1MT	CPUMTR	165	DDF			

CROSS REFE	NCTION	IS.	OPL FILE	-OPL	SYS. TEXT	-NOSTEXT	NOS 1-9E0	7T/R4A.	79/10/30.	15.07.22.	PAGI	E 8
S Y MBOL V	ALUÉ	DECK REFE	RENCES.								•	
STBM	57	COMDTEN COMPSUT RDM 115	COMPCDI COMPTGB REC 1RO	COMPCEP COMPTLB SEM 15J	COMPCKP COMPUSS OAV 1TA	COMPCRA CPM ODF 6DI	COMPCTI DSD OFA CPUMTR	COMPCUT IMS ORP 1LS	COMPSDI MSM LAJ OMF	COMPSEI PFM 1CJ 1MR	COMPSES PFU 1CK DDF	COMPSTI QFM 1DS
MDAU	60	COMDTEN QEM	LFX C10	CPM ODF	DSD LAJ	DS P 1 C K	ELM 1DS	FDL 1ma	1MS 1RI	LFM 1ro	OUT CPUMTR	PFM
SPLM	61	COMDTEN	210	PPR	REC	2.L.L	STL	1AJ	10L	CPUMTR	219	926
JACM	62	COMDIFN	REC	1AJ	101	1R I	180	151	CPUMTR			
DLKM	63	COMDTEN	PFM	REC	115	CPUMTR	1 T P					
TDAM	64	COMDTEN CPUMTR	C I O CPD	LFM TMG	PFM	PFU	ORF	1AJ	105	1 MA	1MT	181
TIOM	65	COMDTEN	, 1MT	CPUNTR								
RLHH	66	COMDTEN	COMPSRU	CPM	210	0AU	1AJ	105	181	1RO	CPUMTR	015
LCEM	67	COMDTEN	1AJ	CPUMTR								
CSTM	70	COMDTEN	IMS	SFM	ODF	1AJ	1HA	1R I	CPUMTR	CPD		
CKSM	71	COMDTEN	RPV	laj	1R I	CPUMTR						
LDAM	72	COMDTFN	COMSMSP	MTR	115	6D I	CPUMTR					
VMSM	73	COMDTEN	DSD	MSM	REC	1CK	5ME	CPUMTR				
<b>PIOM</b>	74	COMDTEN	60E	CPUMTR								
MXFM	76	COMDTEN OAV 1RO	COMPSCA ODF 1TA	COMPHSS OFA 1TO	CIO ORF CPUMTR	LFM 1AJ XSP	MSM 1CD 1LS	MTR 1CJ	PFM 1CK	QAP 110	SFH 1HA	STL 1MT

SYMBOL	VALUE	DECK REFE	KENCE 3.									
RPLP	1	080	REC	SLL	STL	1 A J	1CK	1020				
PPCP	2	COMPMRQ ABP	DIS CPD	020 015	PPR	SET	STL	CPUMTR	COMITES	COMITES	175	1020
PLDP	2	PPR	REC	SLL	STL	CPUMTR	DSDI					
DFPP	3	JC1 D12	TCK D2D	IMS 1RI	MSM 1ro	MTR 5ME	PPR CPUMTR	REC DSDI	SET	SFM	SLL	STL
JB CP	4	COMPRIC	010	DSD	PFM	SET	1SP	CPUMTR	IAFEX	TELEX	1020	
FNTP	4	COMPFAT PFM OAU	COMPSAF PFU OBF	CIO QAC ODF	CPM QAP ORF	DIS QFM 1AJ	DSD REC 1CJ	DSP SET 1CK	FDL SFM 1DS	LFM SFP 1MT	OUT SLL 1ri	026 STL 1R0
		15J 926	1SP TMG	1 T A	CPUMLD	CPUMTR	ENQUIRE	1020	1LS	CPD	DOF	915
STP	5	COMDDSP MSM 1CJ CPUMTR 1TD	COMPCFP MTR 1CK ENQUIRE 1TP	COMPSCA PFM 1DS MS1 COMP3XD	COMPSON PPR 110 PFCAT 1TS	COMPSEE RDM 1MT PEDUMP DSDI	COMPVMS REC 1ro PFLOAD 1ed	CVL SET 1SJ PFS MREC	DIS SFM 1SP RESEX CPD	DSD SFP 6DE COMITES QIS	EXU SLL BLANK 1TN Q26	LFM STL CONFIG COMITES MAC2
BDP IS AP	6 6	C P M DSD	FDL SET	LFM CPUMTR	REC CPD	SLL	1020					
CLDP	7	COMPCLD	EXU	LFM	REC	SLL	STL	LVO	LAJ	CPUMTR	1020	
XPP	62	COMPMRQ	PPR	CPUMTR	DSDI							

CROSS R CENTRAL Symbol	EFERENCE MEMORY L VALUE	OF OPL. OCATIONS. DECK REFE	OPL FILE	-OPL	SYS. IEXI	-NOSTEXT	NOS 1-9E	07T/R4A.	79/10/30.	15.07.22	. РА	GE 10
TDGL	0	PPCUM CPUMTR	DSD PFCAT	IMS 1TP	MSM DSD1	PF M OMF	REC 1MR	SET CPD	SFP ODF	1CK MAC2	601	6 DP
ACGL	1	COMPVMS	CVL	DSD	IHS	MSM	PFU	QFM	RDM	REC	SET	1CK
		115	1SP	CONFIG	CPUMTR	MS I	PFCAT	QFSP	DSDI	1MR	MREC	MAC2
CPUL	1	COMDSYS 1mb	COMPHRQ 15j	CPM 1 T A	DIS	DSD	MTR	PPR	SET	STL	laj	108
MFLL	1	COMPCHA	COMPCHX	SET	CPUHLD Stl	CPUMTR LT A	HFM OSDI	01S 210	CPD			
PPUL	1	COMDSYS DSDI	CVL SCRSIM	DIS ABP	DSD CPD	MTR	SET	STL	CONFIG	CPUMTR	HFM	175
NCPL	2	COMPCMA	010	210	DSD	DSP	IMS	NSM	MTR	PPR	05.4	050
		SET	SFM	STL	1CK	1MB	INC	141	181	1TA	QFM 5ME	REC CPUMLD
55.61	_	CPUMTR	ENQUIRE	QFSP	1020	CP D	210				3112	Crones
SDGL	2	COMPDTS 1MR	020	IMS	MSM	SET	SFM	1CK	105	CPUMTR	0501	OMF
AL GL	3	COMPSCA PFDUMP	IMS PFLOAD	MSM I DZD	PFM OMF	RD M 1 M R	SET ODF	SFH MAC2	1CK	CPUMTR	HSI	PFCAT
PFGL	4	COMPFAT LFM 1CK PFS	COMPSCA MSM 11S QFSP	COMPSON PFM 1MT RESEX	COMPSFE QAC 1TA DSDI	COMPUSS QFM BLANK XSP	CPM RDM CPUMTR 1LS	CVL SET ENQUIRE OMF	DIS SFM MSI MREC	DSD VEJ PFCAT DDF	DSP OAV PFDUHP MAC2	IMS OVJ PFLOAD
PUGL	5	COMPSCA PFCAT	COMPSEE PEDUMP	DSD PFLOAD	IMS PFS	MS M QF SP	PFM DSDI	SET	SFP	1CK	CPUHTR	MSI
MEFL	6	CVL	DSD	SET	1020							
MDGL	6	COMPSCA REC PFCAT	COMPSON SET PEDUMP	COMPSEE SLL PFLOAD	COMPVMS ODF QFSP	CVL ORP RESEX	DSD 1CK DSDI	IMS 115	MSM 1MT	PFM 6DI	PPR CPUMTR	RDM MSI
LLL	6	IMS	MSM	SFM	105	CPUMTR	OMF	OMF 1mr	1MR	MREC	MAC2	
RIGL	7	1020										
INSL	10	CPD										
ISGL	10	MSM	DSDI									
INOL	10	DSDI										
12GL Inil	11 11	NSM 1020	1020									
DALL	12	MTR	SET	15J	110	CPUMTR	1020	CPD				
INZL	12	1020					555.	Crb				
GL GL	12	PPCOM	COMSESD	MSM	. CPUMTR	1MR						
DILL	13	WZ.I CAF	DSD RESEX	IMS DSDI	HSH	RDM	SET	STL	115	6DI	6DP	CPUMTR
1 N3L	13	DSDI		<b>-</b>								
DULL	14	COMPSFE DSDI	050	IMS	нѕн	REC	SFM	SLL	1CĶ	CPUMTR	MSI	QFSP
IN4L	14	1020										
I N5L	15	1020										

	REFERENCE . MEMORY L VALUE	OCATIONS. DECK REFE	OPL FILE RENCES.	-UPL	SYS. TEXT	-NUSTEXT	NOS 1-9E0	7T/R4A.	79/10/30.	15.07.22	• PAC	SE
STLL	15	COMPSCA SLL PFDUMP	COMPSON ORP PFLOAD	COMPSFE 1CK RESEX	COMPVMS 1DS DSDI	DSD 115 OMF	IMS 1MT 1MR	MSM 1SP	PFM CONFIG	RDM CPUMTR	REC MSI	S
DDLL	16	COMPVMS 115 Mrec	CVL CONFIG	DSD CPUMTR	I MS	MS M PF CAT	MTR PFDUMP	PFM PFLOAD	RDM QFSP	REC RESEX	SET DSD1	1
I N6L	16	DSDI			•							
ISLL In7L	17 17	MSM DSDI	DSDI SPD									
MSTL	20	COMPCRA PFM CPUMTR DDF	COMPDTS REC MSI	COMPIRA SET PFCAT	COMPSCA SLL PFDUMP	COMPSEI OAV PFLOAD	COMPSNT ORF PFS	COMPSRA 1CK QFSP	COMSESD 1DS RESEX	CIO 1RO OMF	IMS 1TA 1MR	M C M
CMRL	20	COMPCMX	MTR	15J	1020	CPD						
JSNL	22	DSD	MTR	REC	SET	1020	210					
ACML	23	COMDSYS	15J	DSDI	CPD	015						
AECL	23	DSDI	CPD									
MSCL	24	DSD	MTR	SET	CPUMTR	1020						
ECRL	25	COMPECX CPD	DIS	MTR	REC	SE T	1MC	1SJ	1SP	CPUMLD	CPUMTR	O:
JDAL	26	0\$0	MTR	IMT	DSDI							
PDTL	27	COMPUSS REC	COMPHEI Sem	VE J	COMPHYE	DS D OR P	MSM 1TA	MTR CPUMTR	PFM DSDI	PFU XSP	PPR	Q
TIML	30	COMDSYS	020 1020	MTR 1LS	QAP CPD	SET	SFM	ОВР	105	1MB	1TA	C
DTEL	31	CPM QIS	DSD	REC	SET	SFM	OBP	1CJ	1TA	SMP	DSDI	11
JSCL	40	020	MSM	REC	SET	1CK	151	1SP	CPUMTR	1020	CPD	
IPRL	42	CVL 110	026 Blank	SET CPUMTR	OV J	1AJ RESEX	1CD 1TN	1DS 1TD	110 0501	1MT LED	1RO CPD	11
SSTL	43	COMPCUA OVJ QFSP	CPM 1AJ DSDI	DIS 1CK DDF	DSD 1DS QIS	MSM 1MA 1LC	MTR 1MB MAC2	PFM 1MC	OFM 15J	REC 1SP	SET CPUMLD	SL
SSCL	44	COMPCMX	OSD	REC	TLX	1AJ	105	151	1SP	CPUMTR	1020	
PPAL	50	MTR	PFU	110	IMT	1S J	1TA	CPUMTR	1020	CPD		
MSEL	52	PPR	1020									
CMCL	57	DSD CM0211D	MTR CPD	PPR QIS	SET	100	1MT	CPUMLD	CPUMTR	COMP3XD	DSDI	16

CROSS REI CENTRAL I SYMBOL		OF OPL. OCATIONS. DECK REFE	OPL FILE	= OPL	SYS. TEXT	=NOSTEXT	NOS 1-9E	D7T/R4A.	79/10/30.	15.07.22.	PAGI	E 12
ACPL	60	COMODIS	COMDSYS	COMPHRQ CPD	01S	MTR	PPR	SET	STL	IRI	CPUMLD	CPUMTR
ZERL	66	COMPCLX LFM RPV OVJ 1MT 1TO DDF	COMPUSS MSM SET 1AJ 1RI SMP QIS	C10 026 SFM 1C0 1R0 1TS TMG	CPM PFM SFP 1CJ 1SI DSDI	XSP TSJ SLL PFU CAT	DIO PPR STL 1DL 1TA 1ED	DIS QAC VEJ 1DS 1TO 1LS	DSD QAP OAU 110 CPUMTR OMF	DSP QFM OBF 11S COMITES 1MR	FDL RDM OBP 1MA 1TN ABP	IMS REC ORF IMC COMITES CPD
MTRL	76	MTR	SET	CPUNTR	1020							
CPSL	77	MTR	PPR	CPUMTR	DSDI							
CTIL	100	PPCOM COMP3XD	DSD1 COMOSYS	COMPVHS	COMSDSL CPD	MT R DDF	SET QIS	STL	100	1MT	COMITES	COMITES
RTCL	106	COMDSYS 1TN 926	MTR 1TD	REC HFM	SLL SMP	STL 1TS	1AJ DSDI	1MT CHD	1RI 1LS	1-S J CPD	FAE EAE	CPUMTR QIS
PF NL	110	COMSMMF 1CK DSDI	CPM 1DS XSP	DSD 1MT 1LS	DSP 1SJ CPD	MSM 1SP DDF	PFM 1TA MAC2	QAC CPUNTR	SET PFS	VEJ QFSP	OVJ	1AJ 1TD
SCRL	112	DSD	MTR	REC	SET	188	HF M	1020				
\$16L	113	1 MB	1020									
\$36L	117	1 MB	1020									
MMFL	123	COMPCUT RDM CONFIG	COMPSUT REC CPUMLD	COMPUSS SET CPUMTR	DSD SFM Enquire	L SM L SV I SM	MSM ORF OFSP	MTR ORP DSDI	PFM 1CK XSP	PPR 1DS 1MR	QAP 115 MREC	QFM 1HT MAC2
EFRL	126	210	OSD	MTR	SET	STL	CPUNTR	1020				
INML	127	050	1 MS	SET	1AJ	1CK	108	110	151	1SP	DSDI	
SDAL SDOL	130 130	CPD MTR	SPD DSD1	CPD								
SDIL	131	SFM	CPUNTR	1020								
SD2L	132	SFM	180	1020							•	
\$D3L	133	SFM	15P	1020								
SD4L	134	SFM	CPUMTR	1020								
CCTL	140	PPCOH	STL	LOADBC								
CCTLL	6	PPCOM	STL									

CROSS REFERENCE OF OPL. OPL FILE=OPL SYS. TEXT=NOSTEXT NOS 1-9E07T/R4A. 79/10/30. 15.07.22. PAGE 13 CENTRAL MEMORY LOCATIONS. SYMBOL VALUE DECK REFERENCES.

CTILL 6 PPCOM COMDSYS COMPVMS MTR STL COMITES DSD1 CMD211D COMSCPD CPD DDF QIS ACPD

CROSS REI Control I Symbol		OF OPL. REA WORDS. DECK REFE	OPL FILE	-OPL	SYS. TEX	T=NOSTEXT	NOS 1-9E(	D7T/R4A.	79/10/30.	15.07.22.		PAGE	14
STSW	20	COMDDIS QAC IMT ILS	COMPCMA REC 1RI CMD211D	COMPCMX SET 1RO CPD	012 121 2FF C10	CPM STL CPUMTR TMG	DIS TLX 1TN	05D 1AJ 1TD	MTR 1CJ COMP3XD	026 1CK 1TS	0501 102 1020		PPR 1MB LED
ннис	21	COMPCUA OUT STL IMT ITP	COMPUSS PFM TLX 1RI DSDI	CIO PFU VEJ 1RO 1LS	CPM QAC 08F 151 CPD	CVL QAP 1AJ 1SJ DDF	DIS QFM 1CJ 1SP QIS	DSD REC 1CK 1TA Q26	DSP RPV 1DS CPUMTR 1LC	IMS SET 110 Enquire	LFM SFM 11S 1SF		MTR SLL 1MA RESEX
OAEW	21	COMDOSP	LFH	143	105	1R I	DSDI	210	926				
JCIM	22	COMDOSP PFM OBP 1RO DS1	COMPCMA PPR OV J 1 S I S MP	CPM QAC 1AJ 1SJ WRM	DIS QAP 1CJ 1SP DSDI	DSD QFM 1CK 1TA CHD	DSP RDM 1DS CONFIG XSP	IMS REC 11S CPUMTR CPD	MSM SET 1MA ENQUIRE QIS	MTR SLL 1MB ADC -Q26	OUT STL 1MT BAT THG		026 VEJ 1RI DOG
TSCW	23	CPM	181	15J	1SP	1020							
CPCH	24	SET	LAJ	151	CPUNTR	1020							
CPIW ECSW	25 25	ODF COMPCLX REC RESTART	CPUMTR COMPREI OBF OSDI	DSDI COMPRLS 1AJ CPD	CPM 1DS QIS	CVL 1MA	DIS 1RI	DSD 180	ELM 15J	MTR 1SP	D26 CPMEM		QAC CPUMTR
RLPW	26	CPM 1RI	D I S 1 R O	121 020	HSH 1TA	MTR CPUMTR	026 D0G	SET OSDI	1AJ CHD	1DS EYE	110		115
SNSW	27	COMODSP 026 1RI	COMPCLX REC 1TA	CIO SET CPUMTR	CPM STL DSDI	DIO 1A J 1L S	DIS OIS	DSD 1CJ 926	DSP 1CK	LFM . 1DS	MSM 110		OUT LMT
WZIM	30	DIS SLL SMP	020 141 1020	LFM 1CJ 1LS	MS M 1CK DDF	MTR 1DS QIS	026 110	PFM 1RI	QAC 1RO	RDM lta	REC CPUML		SET CPUMTR
MS 2 H	35	COMODSP 026 08F 1RI CPD	CIO PFU 1AJ 1RO DDF	CPM PPR 1CD 1SI QIS	010 QAC 1CK 5ME Q26	DIS QAP IDS CPUMTR	DSD QFM 110 COMP3XD	DSP RDM 11S 1TS	IMS REC IMA DSDI	LFM SFM 1MB XSP	MSH SLL IMC IMR		MTR STL 1MT CMD211D
INOW	40	1020	COMPBKP	ABP									
INIW	41	1050	COMPBKP	ABP									
IN2W	42	0801	COMPBKP										
IN3W	43	1020	СОМРВКР						·				

IN4W

INSW

0501

DSDI

44

45

COMPBKP

COMPBKP

ABP

ABP

CROSS REF CONTROL P SYMBOL		OF OPL. EA WORDS. DECK REFE	OPL FILE	≖OPL	SYS. TEXT	-NOSTEXT	NOS 1-9E0	7T/R4A.	79/10/30.	15.07.22.	PAG	E 15
INGW	46	1020	COMPBKP									
1 N 7 W	47	1050	COMPBKP									
SRUW	50	CPM	DIS	DSD	QAC	1A J	1CJ	1R I	1R0°	1SP	1 T A	CPUMTR
ACTW	50	ENQUIRE PPCOM	DSDI CPM	laj	1C J	1MA	1TA					
CPTH	51	CPM SMP	TET IDSDI	SFM CPD	STL	1A J	1CJ	181	1SP	1TA	CPUMTR	ENQUIRE
HAOI	52	C10	FDL	PFM	1AJ	1MA	CPUMTR	ENQUIRE	DSDI			
ADAW MP1W	53 53	CPM 1TA	ENQUIRE CPUMTR	1020 1020								
MP 2 W	54	CPUMTR	1020									
MP 3H	55	CPM	CPUMTR	1020								
STLW	56	COMPSRU DSDI	CPM	DIS	DSD	SET	STL	1AJ	15J	174	CPUMTR	ENQUIRE
SRJH	57	CPM	1R0	15 J	1TA	CPUMTR	ENQUIRE	1020				
CPJW	60	CPM	1AJ	1C J	15 J	1 T A	CPUMTR	ENQUERE	1020	210		
FPFW	61	COMPSRU	CPM	LAJ	1C J	IR I	180	15P	1TA	CPUMTR	1020	
FLCW	62	COMPRSI 15J	CPM 1TA	DIS CPUMTR	MSM Enquire	1A J 1TP	110 DSD1	115 1L5	LMA OIS	INT	1R I	180
ELCH	63	COMPREI DSDI	CPM	013	1AJ	1 M A	181	180	121	1TA	CPUMTR	ENQUIRE
SSCN	64	CPM	DSD	REC	1AJ	1D \$	181	1R0	1SP	CPUMTR	1020	
TION TIAN Lofn	65 65 65	CIO RPV 1AJ	CPM TLX 1RO	TLX 1AJ CPUMTR	1R I 1R I	1RO DSDI	1020					
TXSW	65	COMPSSE	181	1RO	DSDI Enquire	1020						
PFCW	66	COMPSFE SFM DFTERM	COMPUSS STL Enquire	CIO OAV RESEX	CPM 1AJ DSDI	DIS ICJ DDF	DSP 1RI QIS	LFM 1ro	MSM 15J	PFM 1TA	QFM Blank	REC CPUMTR
UIDW	67	OAT	COMPUSS 1AJ	COMSSSI	CPM 1RI	D15 151	DSP 1TA	LFM ENQUIRE	MSM DSDI	PFM QIS	QFM	SFM
T I NW	70 70	CIO PPCOM	1RI (	1RO DIS	DSDI RPV	TLX	<b>1</b> AJ	1R I	1R0	1020		
TERH TFSW	71 71	CPM COMPUSS ODF CPD	DIS CPM 1AJ UIS	PFM DIS 1CJ	SFM DSD LDS	IAJ DSP IRI	1DS LFM 1RO	1RU PFM 1SJ	DSDI OAC ATI	QFM CPUMTR	REC RESEX	51L 0501

	REFERENCE L POINT AR VALUE	OF OPL. REA WORDS. DECK REFE	OPL FILE	=OPL	SYS. TEXT	*NOS TEXT	NOS 1-9E	07T/R4A.	79/10/30.	15.07.22	•	PAGE	16
CSPH	72	COMPRES 1RI 1LS	CPM 1RO QIS	D18 181	15J 020	LFM 1SP	MSM 1TA	REC ENQUIRE	SFP 1TN	1AJ 1TD	1 [ S 1 T P		1MT DSDI
CSSH	73	210	LFM	LAJ	1C J	181	1 TA	CPUMTR	1020				
RECH	74	CPM 15J	210 ATA	PFM CPUMTR	QAC ENQUIRE	REC RESEX	ODF 1TP	LAI IO20	101	105	lma		THT
ALMW	75	COMPUSS 1ri	COMSSSJ 1ro	CPM 15J	DSP 1TA	LFM CPUMTR	QFM DSDI	SET	SFM	STL	08F		LAJ
ACLW	76	COMSSSJ 1AJ	CIO 1MA	DSP 1RI	ELM 15J	LFM ENQUIRE	1020 1020	PFM	QFM	SET	STL		ODF
AACH	77	COMPCUA CPUMTR	COMPSSF DSDI	COM2221	CPM	LFM	PFM	SET	STL	181	151		1TA
ICAH	100	IMT	CPUMTR	1TN	170	116	1020						
SEPH	101	COMPCUA SEP HEM	DSDI STF COWLORS	012 VEJ 013	CPM OBF	LAJ	0\$0 11\$	920 1MA	LFM 1RI	PFM 1ro	QFM 1TA		SFM CPUMTR
SPCW	102	PPCOM CPUMTR	DSDI	210 210	DSD	LFM	PFM	SFP	1AJ	105	181		180
JC DH	103	CPM	IRI	ENQUIRE	1020								
JCRW	104	CPM	1AJ	181	CPUMTR	ENQUIRE	1020						
DBAW	105	CPM	DSD	026	1AJ	105	1MA	181	180	CPUMTR	1020		210
LBIW	106	CPM	FDL	181	CPUMTR	ENQUIRE	1020	926					
LB2W	107	PPCOM	FDL	181	1020								
F83M	110	CPM	FDL	181	1020								
PPDW	111	C10	LAJ	180	1020								
SSOM	112	REC	1 A J	180	CPUMTR	1020							
CPLW	113	SET	STL	1AJ	121	CP UMTR	1020						
CSBW	130	COMPRES 1ro	COMSB10 151	121 D12	DSD CPUMTR	LFM 1TP	MSM DSDI	SFP 1LS	1AJ 01S	115	IMT		1RI
MSFW	556	COMPMSD 6DI	010 60P	DIS	MTR Q26	026	PPR	REC	SLL	SIL	ICD		6DE
EPFW	7500	COMMMSE laj	COMSMSP 1CJ	CPM 1DL	DSP 1MC	PF M 1RO	PPR 1TA	QAC 1TO	QFM 6DI	REC 6DP	SLL CPD		STL

CROSS REFERENCE OF OPL. OPL FILE=OPL SYS. TEXT=NOSTEXT NOS 1-9E07T/R4A. 79/10/30. 15.07.22. CONTROL POINT AREA HORDS. SYMBOL VALUE DECK REFERENCES. ACTHE 54 **PPCOM** CSBWE 200 210 181 CPUMTR ACTWL CPM 1CJ 1 TA

PAGE 17

	REFERENCE E MESSAGE VALUE		OPL FI RENCES.	LE-OPL	SYS. TE	XT=NOSTEXT	NOS 1-9E0	7T/R4A.	79/10/30.	15.07.22	•	PAGE	18
ทหรพ	10000	IMS	MSM	MTR	PFM	QF M	laj	10\$					
NMNL	20000	MTR	SEM										
CPON	30000	CPM 1CJ	0 S P 1 D S	LFM 1ma	MTR 1MT	PF M CHD	OFM OIS	SFP BANNER	VE J TMG	UAU	ORP		LAJ
ACFN	40000	CPM 1DS	DSP 1MA	IMS 1RO	MSM	MTR	PFM	QFM	REC	OAV	laj		TCJ
ИИГА	50000	MTR	QAC	QAP	QFM	SFN	OAU	105	1MT	1TA	1LS		
ERLN	60000	COMPSSE REC 5ME	CPM 1CJ 6DI	ELM 1CK 6DP	1MS 1DS 1TN	MS M 110 110	MTR 1MA Comp3xd	PFM 1MB 1ED	PPR 1MC 1MR	QAP 1MT CMD211D	OFM 1RI		RDM 1TA
EJNN	70000	COMSSCP	MTR	SEA									

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		OF OPL. MASS STORA DECK REFE			SYS. TEXT	-ŅOSTEXT	NOS 1-9E0	71/R4A.	79/10/30.	15.07.22	• PAG	E 19
INFT	0	PPCOM SET CPUMTR 1LS	COMPUSS STL Enquire CPD	COMSTOQ VEJ FNTLIST QIS	CIO ODF LDI	DSD 1DS QDUMP	DSP 1MA QLOAD	L.FM 1.R.I QMOVE	QAC 15J QREC	QAP 1SP IAFEX	QFM - 1TA TELEX	REC CUNTROL XSP
ROFT	ı	PPCOM 1RO CPD	DSD 15J 015	QAC 1SP	REC 1TA	SF M CP UMTR	ODF Enquire	1.AJ QLOAD	1C J QMOVE	1DS OREC	1MA IAFEX	IRI TELEX
PRFT	2	CPCOM QAP QLOAD	PPCOM QFM QMDVE	COMCVFE REC QREC	COMPUSS SFP 1LS	COMSIDQ OBF QIS	CIO ODF	DSD 1CJ	DSP 1SP	LFM Control	OUT ENQUIRE	QAC FNTLIST
PHFT	3	CPCOM QAP QLOAD	PPCOM OFM OMOVE	COMCVFE REC QREC	COMPUSS SFP 1LS	COMSIOQ OBF	CIO ODF	DSD 1CJ	DSP 1SP	LFM CONTROL	OUT Enquire	QAC FNTLIST
TEFT	4	PPCOM CPUMTR	DSD ENQUIRE	QAC	REC	ODF	LAJ	105	1MA	1RO	1 S P	1 T A
SIFT	5	COMCVFE	COMSTOO	DSP	QFM	REC	SFM	ODF	QLOAD	QMOVE	QREC	
SZFT	6	COMSTOO	OSP	QFM	REC	SFM	ODF	QLOAD	OMOVE	QREC		
S3FT	7	COMCVFE	COMSTOO	DSP	QFM	RE C	ODF	QLOAD	OMOVE	QREC		
LIFT	10	IMS 115	LFM 1TA	MSM CHKPT	PFM	PFU	QFM	REC	SFM	SLL	STL	ODF
QUFT	10	DSD	DSP	LFM	CONTROL MSM	ENQUIRE OF M	RESTART 1SP	CHKPT	COMSCPD	CPD	DDF	ACPD
PTFT	11	CIO PFILES	LFM IAFEX	PFM Telex	REC XEDIT	ODF	1AJ	1R0	174	CHKPT	CONTROL	ENQUIRE
PMFT	12	CIO CONTROL DDF	FDL Enquire Q26	LFM Pack	MSM RESEQ	PF M RESTART	PFU SORT	REC DBFORM	SFM LIBTASK	SFP 1MR	ODF XEDIT	CHKPT CPD
FAFT	13	PPCOM Enquire	COMPFAT QLOAD	MSM MSM	PFU Qrec	REC 1MR	SFM	ODF	ORF	105	1MT	CPUMTR
SYFT	14	IMS Grec	MSM 1MR	REC	SET	SFM	SLL	ODF	1CK	ENQUIRE	QL OAD	OMOVE
LOFT	15	CIO 1CJ CPD	DSD 115 926	DSP 1MT	LFM 1ro	PF M 1T A	QFM CHKPT	REC Control	SLL ENQUIRE	STL QLOAD	OBF QMOVE	ODF RESTART
CMFT	16	C10 CONTROL	DSD ENQUIRE	LFM RESTART	QAC 1LS	RE C CP D	SET Q26	SLL	ODF	1AJ	1 MA	СНКРТ
MXFT	17	COMPSSE	C 1 O	LFM	QFM	REC	ODF	1CJ	CONTROL	ENQUIRE	QLUAD	ACPD
FSMS	1	COMPRSS OFM 1RI	COMPWSS SEM IRD	CIO SFP LTA	DSD SLL PFLOAD	DSP STL IAFEX	EXU TELEX	FDL 1AJ XSP	LFM 1CD 1LS	MSM LCJ LMR	PFM 1DS	QAC 115

	EFERENCE PES. AND VALUE	OF OPL. MASS STORA DECK REFE			SYS. TEXT	*NOS TEXT	NOS 1-9E0	7T/R4A.	79/10/30.	15.07.22.	PAG	E 20
BFMS	6776	PPCOM COMSSSE PFU ORF 1RO OMF	COMPRCS COMSWEI QAC ORP 1SJ IMR	COMPRSS CIO QAP LAJ LTA DDF	COMPUSS DSP QFM 1CJ 5ME	COMPWEI EXU RDM 1CK 6DI	COMPHSS FDL REC 1DS 6DP	COMSOSL IMS SFM 110 QDUMP	COMSTOQ LFM SLL 11S QLOAD	COMS JRO MS M STL 1 MA QHOVE	COMSLSD MTR VEJ LMT XSP	COMSPEN PEN OBP IRI ILS
FNSS	7000	COMPRSS QAC 1RO	COMPUSS Qap lta.	COMPHSS QFM QDUMP	COMSWEI REC GLOAD	CTO SEM GMOVE	DSP SLL XSP	IMS VEJ IMR	LFM 1CJ DDF	MSH 1CK	PFM 1DS	PFU 1MA
EQSS	7005	COMPHSS	COMSPFM	DSP	PFM	SFM	<b>VE J</b>	QLOAD	OMOVE			
FTSS	7006	COMPRSS 1TA	COMPHSS	COMSPEM	MSM	PFM	PFU	QFM	RDM	REC	ORP	115
NSSS	7007	COMPRSS	COMPWSS	PFM	DDF							
FASS	7011	COMPUSS 1CJ	COMPWSS 1DS	C10 180	DSP	LFM	OUT	PFM	QFM	SFM	SLL	<b>AE1</b>
0155	7012	COMPHSS	MSM	PFM	REC	QL OAD						
ESTS	515	COMDDSP EXU REC 1AJ 6DP	COMPOTS FOL SFM ICD ITS	COMPFAT IMS SFP 1CJ XSP	COMPSCA LFM SLL 1CK 1LS	COMPSON MS M STL LDS LMR	COMPSSE PFM VEJ 110 CPO	COMPUSS PFU OAV 11S DDF	CIO PPR OBF 1MT TMG	CPM QAC ODF 1RI	DIS QAP ORP 1TA	DSP QFM LVO 1TO
TRIS	7777	COMPCRA 1 TA	COMPSCA 1MR	COMPSEI ODF	COMPSNT	COMPSRA	C10	PFM	REC	SLL	105	1RO

	EFERENCE GIN TYPES VALUE	OF OPL. 5, QUEUE TY: DECK REFE			SYS. TEXT	-NOSTEXT	NOS 1-9E0	7T/R4A.	79/10/30.	15.07.22.	PAGE	21
SYOT	0	COMPCUA OFM 1MT PROFILE OIS	COMPUSS REC 1SI ODUMP 926	CPM SET 1SJ QFSP 1LC	CVL STL 1SP QMOVE	DSD OBP ACCFAM QREC	DSP 1AJ CONTROL RESEX	IMS 1CJ CPUMTR ROUTE	LFM 1DS FNTLIST 1TP	PFM 110 15F 1L5	QAC 11S MAGNET MREC	QAP 1MA MODVA CPD
всот	1	COMPUSS 1AJ Submit	CIO 1CD Taf	DSD 1CJ	DSP 110	LFM CONTROL	OUT FNTLIST	QAC LDI	QAP QDUMP	QFM QLDAD	AE 1	OBP Route
£101	2	COMCVFE CONTROL E200CP	COMPUSS FNTLIST	DSD QDUMP	DSP QL GAD	LFM QMOVE	QAC QREC	QFM ROUTE	VE J SUBMIT	OBP Taf	LAJ SP	1CJ 1LS
TXOT	3	COMPCMX OBF CONTROL TRMDEF	COMPUSS OBP CPMEM IAFEX	CIO 1aj Cpuntr Telex	CPM 1DS LO72 DSDI	DSD 1RI MODVAL XEDIT	LFM 1RO PFILES	OUT 1SP QLOAD	QFM 1TA QMOVE	REC Catalog Qrec	RPV CATLIST RESEX	TLX CHKPT SUBMI
MTOT	4	CBMPCMX	08P	1AJ	1R0	1 T A	IAFEX	TELEX				
MXOT	5	COMPCMX 1SP	CPM DSDI	DSD COMSCPD	DSP CPD	MTR GIS	QFM ACPD	SFM	ОВР	1AJ	1C J	181
TROT	6	TAF										
INQT	0	DSP	QFM	UVJ	105	1R [	151	1SP	1TA	OMOVE	QREC	1020
ROQT	1	CPH	1MA	1R I	15 J	15 P	1TA	1020				
στατ	2	010 0501	DSP 1LS	LFM	OUT	QAC	OAP	REC	1CJ	1SP	OMOVE	QREC
MXQT	3	020	15P									
MNP S	100	CPM	OSD	MTR	SET	1R I	15J	1SP	OHOVE	QREC	CPD	
MXPS	7760	COMPCMA SET 1SP SYSEDIT LOADBC	CPM STL BLANK SMP	DIS VEJ CPUMTR SCRSIM	DSD OVJ Install Stimula	DSP 1AJ ISF MREC	MTR 1CK LDI COMSCPD	026 1DS Modval CPD	PFM 1IS PFS DDF	PPR 1MA PROFILE QIS	QAC 1RI OFSP Q26	REC 1SJ RESEX ACPD

CROSS ( ERROR ( Symbol	REFERENCE FLAGS. VALUE	OF OPL.  DECK REFE	OPL FILE	-OPL	SYS. TEXT	-NOSTEXT	NOS 1-9E0	7T/R4A.	79/10/30.	15.07.22.	PAGE	22
ARET	1	RPV	1AJ	CONTROL	CPUMTR							
PSET	2	RPV	1AJ	CONTROL	CPUMTR							
PPET	3	CALLINT 1TD	FDL	026	PFU	RPV	1AJ	IMT	181	CONTROL	CPUMTR	1 TN
CPET	4	RPV	1AJ	CONTROL	CPUMTR							
PCET	5	RP V	SFP	1AJ	CONTROL	CP UMTR	•					
TLET	6	RPV	LAJ	1R I	CONTROL	CPUNTR	TAF					
FLET	7	DSP	LFM	PFM	QFM	RPV	SFM	1AJ	CONTROL			
TKET	10	PFM	RPV	LAJ	CONTROL							
SRET	11	RPV	1AJ	181	CONTROL	CPUMTR						
FSET	12	DIS	RPV	LAI	1MA	1R I	CONTROL	CPUNTR	015			
ODET	13	COMDDSP Magnet	CIO	DSD Telex	QAC COMKNAM	RD M COMKNHC	RPV 1MR	1AJ MREC	ICK Compbkp	1MT ABP	1RI QIS	CONTROL Q26
SPET RRET	14 14	C I O COMDOS P	laj RPV	1MT 1AJ	1MR 1DS	CONTROL						
OKET	15	COMDUSP	aza	RPV	1AJ	CONTROL						
SSET	16	RPV	1 A J	181	CONTROL	COMKNAM	CONKNWC					
ECET	17	MTR	RPV	LAJ								
PEET	20	MTR	RPV	1AJ	1CJ	1CK	1 MB	1RO	CONTROL	CPUMTR		
SYET	21	CPM	DSP	PPR	QFM	RPV	1AJ	1CK	1MA	1RI	1TA	CONTROL
ORET	22	COMPSDI ORP	COMPSF1 1AJ	DSD 1CJ	PPR 1MA	QFM 1RI	RDM Control	RPV	SFM	DAU	OAV	ORF
MXET	23	RPV	LAJ									
TIET	40	RPV	181	PFCAT	PFDUMP	PFLOAD						

MISCEL	REFERENCE LANEOUS.		OPL FILE	⇒OPL.	SAS. LEXI	T*NOSTEXT	NOS 1-9E0	7T/R4A.	79/10/30	. 15.07.22.	PAGE	E 23
SYMBOL	VALUE	DECK REFE	RENCES.									
CHMC	0	COMSDSL										
ECSY WLSF	0	PPCOM Comphei Orf	REC COMPWSS ORP	SET CIO 1AJ	IMS 1CJ	MS M 1C K	PFM 1IS	PPR 1TA	QAC 6DI	SFM 1MR	OAU DDF	OAV
CPNS	1	PPCOM	COMSDSL	REC	SET							
NOPE SVJT	3	CVL COMPCMX	CPM	DSD	SET	1R I	15J	1SP	1.T A	IAFEX	TELEX	DSDI
NS JC PFCT	5 5	CHARGE CIO	OSD	PFM	1020							
MXJC	6	CPM	020	SET	1R I	15 P						
CHDS	10	COMSDSL CHD	CALLDIS DDF	O1S O1S	MTR QIS	02 6	10L	ADC	BAT	DOG	051	WRM
FECT	14	DSP	LFM	OBF	1AJ	181	1TA		,			
FNCT	15	050	LFM	PFU	QAC	SLL	1AJ	105	1SP	LTA	1LS	
CHSC	16	COMSDSL	MTR	SLL	laj	1MB	HEM	CPD				
NMSD	40	COMSQFS MSI CPD	MSM PFCAT ACPD	MTR PFDUMP Mac2	REC PFLOAD	SET QFSP	SLL Grec	11S RESEX	SASEDI1 SASEDI1	CONFIG DSDI	CPUMTR MREC	DFTERM COMSCPD
TTEQ	75	LFM	SET	OBF	1R0	17A	COMITES	COMITES				
TEEQ	76	LFM	SET	TMG						•		
NEEQ	77	REC	SET	STL	115							
MPRS	100	DSD	SET	15J								
DLYA	112	MSM	PPR	1CD	105	1MT	TMG					
CPAS	200	010	DSD	MSM	REC	SET	SLL	CPUMTR	1020			
EEMC	7007	012	STL	1AJ	15 J	1TA	CONTROL	CPUMTR				
MCMX	10000	CPM	DIS	026	1AJ	1MA	1RI	1R0	1SP	ACCFAM	CPUMTR	
WCSF	300000	COMPWSS 1CK	COMPHVE	C10 1R0	IMS 1TA	MS M 1T O	PFM CPD	PFU	PPR	SFM	SLL	ICJ

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CROSS REFERENCE (		OPL FILE	•OPL	SYS. TEXT	=NOS TEXT	NOS 1-9E0	)7T/R4A.	79/10/30	. 15.07.22	PAG	E 24
DECK	DECK REFE	RENCES.									
CMD2110	CALLOIS	915	926								
CMT2110	CALLQIS	210	926								
COMABZF	BZFILL	ZSETFET	ASDEF	ASLABEL	AS MOVE	EXINIT					
COMACHN	CATACC										
COMACMD	TINIZA	CATACC	MAPACC	ASLABEL	ASUSE	ASVAL	EXINIT				
COMACHS	CATACC	MAPACC	ASDEF	ASLABEL	ASUSE	ASVAL					
COMACPR	ASLABEL	ASMOVE	ASVAL	EXINIT							
COMADRW	ASLABEL										
COMAFET	CATACC	MAPACC	ZSETFET	ASMOVE	EX INIT						
COMAKDA	**NONE **										
COMAKDD	**NONE **										
COMALBL	ASLABEL									•	
COMALRO	**NONE **							,			
CUMAMA P	MAPACC	ASLABEL	ASUSE	ASVAL							
CUMAMAT	EXINIT										
COMANCT	CATACC	HAPACC	ASLABEL	ASUSE	AS VAL	EXINIT					
COMAMSS	ASINIT ASVAL	BZFILL EXINIT	CATACC	MAPACC	RF ORM	ZFILL	ZSETFET	ASDEF	ASLABEL	ASMOVE	ASUSE
COMADVL	**NONE **										
COMAPEP	CATACC	ASDEF	ASLABEL	ASHOVE	ASUSE	ASVAL	EXINIT				
COMASNS	ASLABEL										
COMASPC	**NONE**										
COMATDM	ASMOVE	EXINIT									
COMAUCR	ASLABEL	ASMOVE	ASVAL	TINIX							
COMAUDI	EXINIT										
COMBACH	OBFORM	TAF	BDMI								
COMBACT	DBFORM	TAF	BDMI					•			
COMBBCT	DBFORM	TAF	BOMI								
COMBDB M	TAF	BDMI									

CROSS REFERENCE OF OPL. COMMON DECK CALLS.		OPL FILE	=OPL	SYS. TEXT	-NOSTEXT	NOS 1-9E0	7T/R4A.	79/10/30.	15.07.22.	PAG	E 25
DECK	DECK REFE	RENCES.									
COMBELP	DBFORM	TAF	BDMI								
COMBINT	TAF	BDMI									
COMBSCT	DBFORM	TAF	BDMI								
COMCAR G	CATALOG Modval TDUMP MST	CATLIST MSI VALNET STIMULA	CONVERT OPLEDIT VERIFY UPMOD	DOCMENT PFATC IAFEX DFSORT	ENQUIRE PFCAT DATADEF XEDIT	FCOPY PFILES DATAMAP CKMS	ISF PFLOAD DBFORM MODLIST	KRONREF PFS LIBTASK RUNCPD	LIBGEN PURGALL TAF ACPD	LO72 RESTART DEMUX LOADBC	DSDI SYSEDIT MODIFY
COMCARM	CONTROL	COPYB	DAYFILE	EDIT	PROFILE	TRMDEF	ASARG				
COMCCCE	PFATC	PECOPY	PFDUMP	PFLOAD							
COMCCDD	CATALOG FCOPY PFCOPY RESEX KTSDMP MODLIST	CATLIST FNTLIST PFOUMP RESTART LIBTASK MAC1	CHKPT KRONREF PFLOAD SYSEDIT TAF	CONTROL LISTLB PFS TDUMP BDMI	CONVERT MAGNET PROFILE VALNET TERMDEF	COPYB MFILES QOUMP VERIFY DEMUX	COPYC MODIFY OFSP IAFEX DSDI	DAYFILE MODVAL QLOAD TELEX LPT	DFTERM OPLEDIT OMOVE DATADEF STIMULA	EDIT PFATC QREC DATAMAP MREC	ENQUIRE PFCAT RESEQ DBFORM XEDIT
COMCCDM	**NONE **										
COMCCOP	DEBUG										
COMCCFD	ENQUIRE	MAGNET	PROFILE	DATADEF	TAF	DEMUX	MST	STIMULA	CIOTEST	MAC1	
СОМССНО	IAFEX										
COMCCIO	BLANK COPY76 GTR MAGNET PFCUPY RESEQ VFYLIB DSDI CIOTEST LOADBC	CATALOG CPMEM HELP MFILES PFDUMP RESEX 1AFEX LPT DDFILE	CATLIST CPUMLD INSTALL MODIFY PFILES RESTART TELEX MST LISTER	CHARGE DAYFILE ISF MODVAL PFLOAD SFS DATADEF SCRSIM MODLIST	CHKPT OFTERM KRONREF MSI PROFILE SORT DATAMAP STIMULA QAQAQHT	CONFIG DOCMENT LDI MSORT PURGALL SUBMIT DBFORM UPMOD QAQAQI	CONTROL EDIT LIBEDIT NOTE QDUMP SYSEDIT KTSDMP DEBUG QAQAQNM	CONVERT ENQUIRE LIBGEN OPLEDIT QFSP TDUMP LIBTASK E200CP QAQAQS	COPYB FCOPY LISTLB PACK QLOAD TRMDEF TAF XEDIT GREWIND	COPYC FILES LISTBO PFATC QMOVE VALNET BDMI BANNER RUNCPD	COPY67 FNTLIST LO72 PFCAT QREC VERIFY DEMUX BREAK ACPD
COMCCMD	PSSTEXT PFILES MST	CATLIST PFLOAD Debug	CONTROL OLOAD RUNCPD	DFTERM GMOVE ACPD	FCOPY QREC LOADBC	FILES RESEX MAC2	ISF VALNET	KRONREF IAFEX	MAGNET TELEX	PFCAT TAF	PFDUMP DSD1
COMCCOD	CATALOG MSI QMOVE BDMI MAC1	CATLIST PFAYC QREC DSDI	CONFIG PECAT TDUMP MST	CONTROL PECOPY VERIFY SCRSIM	CPMEM PFDUMP VFYLIB STIMULA	DFTERM PFLOAD IAFEX DEBUG	ENQUIRE PFS TELEX MREC	FNTLIST PROFILE DATADEF CKMS	KRONREF QDUMP DBFORM DDFILE	LIBGEN QFSP KTSDMP VFYFL	MODVAL QLOAD TAF LOADBC
COMCCPA	CONTROL	COPYB	DAYFILE	1103							
СОМССРМ	ACCFAM Install	BLANK ISF	CATLIST KRONREF	CHARGE LDI	CHKPT LISTLB	CONFIG Magnet	CONTROL		DAYFILE MSI	DFTERM MSORT	ENQUIRE PFAIC
								•			

CROSS REFERENCE OF OPL. COMMON DECK CALLS.		OPL FILE	-OPL	SYS. TEXT	-NOSTEXT	NOS 1-9E0	TT/R4A.	79/10/30.	15.07.22.	PAGE	26
DECK	DECK REFE	RENCES.									
	PFCAT QREC LIBTASK CIOTEST	PFCOPY RESEX TAF	PFDUMP RESTART DEMUX	PFILES SFS DSDI	PFLOAD SORT MST	PFS VALNET SCRSIM	PROFILE CPUREL STIMULA	QDUMP IAFEX DEBUG	QFSP TELEX MREC	QLOAD DBFORM XEDIT	QHOVE KTSDMP BREAK
COMCCPT	CATALOG	LIBEDIT	TIGAZYZ	VFYLIB							
COMCCAI	ACCFAM	MODVAL									
COMCCAF	CPMEN	SASEDIL									
COMCDXB	CATALOG FILES PFILES SYSEDIT DE MUX ACPD	CATLIST INSTALL PFLOAD TDUMP DSDI LOADBC	CHKPT LDI PFS TRMDEF MST MAC1	CONFIG LISTLB PROFILE VALNET SCRSIM	CONTROL LO72 PURGALL VERIFY STIMULA	CUNVERT MODIFY QFSP IAFEX DEBUG	COPYB MODVAL RESEQ TELEX MREC	COPYC MSI RESEX DATADEF XEDIT	CPMEM PFATC RESTART DBFORM CKMS	DAYFILE PFCAT ROUTE LIBTASK MODLIST	DOCMENT PFDUMP SORT TAF RUNCPD
CONCECH	ECSTEXT	CPUREL	TAF								
CONCECS	CPUREL	TAF									
COMCEDT	CATLIST QDUMP	DFTERM QFSP	FNTLIST QLOAD	MODVAL QMOVE	PF ATC QR EC	PFCAT RESTART	PFCOPY MAC1	PFDUMP	PFLOAD	PFS	PROFILE
COMCFCE	CATLIST	PFATC	PFCAT	PFCOPY	PF DUMP	PFLOAD					
COMCFQO	QDUMP	QLOAD	OMOVE	QREC							
COMCHXB	TRMDEF	IAFEX									
COMCIQP	QDUMP	QLOAD	OMOVE	GREC							
CONCLEM	BLANK FILES PACK QREC TELEX LOADBC	CATALOG FNTLIST PFATC RESEQ DBFORM	CATLIST GTR PFCAT RESEX LIBTASK	CHKPT HELP PFCOPY RESTART TAF	CONFIG ISF PFDUMP SORT BDMI	CONTROL KRONREF PFILES SUBMIT DSDI	COPYB LDI PFLOAD SYSEDIT MST	CPMEM LISTLB PROFILE TDUMP XEDIT	DFTERM MAGNET QDUMP VERIFY BREAK	EDIT MFILES QLOAD CPUREL CIOTEST	ENQUIRE MODVAL QMOVE IAFEX DDFILE
CONCLOD	IAFEX	TELEX									
COHCHAC	PSSTEXT COPYC FNTLIST MAGNET PFDUMP RESEQ VERIFY AAMI MULTCB DSDI BANNER MAC2	ACCFAM CPMEM HELP MFILES PFILES RESEX VFYLIB AAML SETCHT MST BREAK	BLANK CPUHLD INSTALL MODIFY PFLOAD RESTART IAFEX BDMI STATCHK SCRSIM CIOTEST	CATALOG CVLCP ISF HODVAL PFS SFS TELEX BEGIN SUBHT STIMULA CKMS	CATLIST DAYFILE KRONREF MS I PROFILE SORT CALLKTS BL DABH TARO UP MOD DDF ILE	CHARGE DF TERM LDI NOTE PURGALL SUBMIT DATADEF CALLTSK TERMDEF DF SORT MODLIST	CHKPT DOCMENT LIBEDIT OPLEDIT QUMP SYSEDIT DATAMAP CHKON ITASK PSAMP RUNCPD	CONFIG EDIT LIBGEN PACK QFSP TCOHND DBFORM DMSTAT MSABT DEBUG ACPD	CONTROL ENQUIRE LISTLB PFATC QLOAD TDUMP KTSDMP DSDUMP OFFTASK EZOOCP LOADBC	CONVERT FCOPY LISTBO PFCAT QMOVE TRMDEF LIBTASK EXTRACT SYSMSG MREC ASARG	COPYB FILES LO72 PFCOPY OREC VALNET TAF LOGIN DEMUX XEDIT MAC1
COHCHTH	LIBGEN	MODVAL.	PROFILE	SFS	SYSEDIT	VALNE T	DATADEF	DATAMAP	DBFORM	LIBTASK	1020

CROSS REFERENCE OF OPL. OPL FILE=OPL SYS. TEXT-NOSTEXT NOS 1-9E07T/R4A. 79/10/30. 15.07.22. PAGE 27 COMMON DECK CALLS. DECK REFERENCES. DECK STIMULA COMEMTP LIBGEN MODVAL PROFILE SFS SYSEDIT VALNET DATADEF DATAMAP **DBFORM** LIBTASK DSDI STIMULA COMCMVE BLANK CHARGE CHKPT CONFIG CONTROL CONVERT DAYFILE DFTERM DOCMENT ENQUIRE **FNTLIST** LIBGEN LISTLB LIST80 L072 MODIFY MODVAL MSI PFATC PFCAT PFCOPY PFDUMP PFLOAD PFS PROFILE ODUMP QF SP QLOAD OMOVE QREC RESEX SFS SYSEDIT VALNET **IAFEX** TELEX DATADEF DATAMAP LIBTASK DBFORM TAF BDMI DSDI LPT MST SCRSIM STIMULA XEDIT BREAK ACPD LOADBC COMCOPE CIOTEST IDADAD COMCOVL KRONREF LDC LIBEDIT MODVAL PF S PROFILE QF SP **CPUREL** IAFEX TELEX TAF XEDIT COMCPEM CATLIST CHARGE CONTROL **DFTERM** EDIT ENQUERE HELP ISF MAGNET MODVAL PFCAT **PFDUMP PFILES** PFLOAD PROFILE PURGALL RESEX RESTART SUBMIT **CPUREL** IAFEX TELEX **DBFORM** KTSDMP LIBTASK TAF BDMI STIMULA XEDIT COMCPFU MSI PFCAT **PFCOPY** PFDUMP PFLOAD MACZ COMCPOP BLANK CHARGE CONTROL COPYB DAYFILE EDIT LISTLB **PROFILE** RESEX TRMDEF ASARG COMCQFM ISF LDI MSI **QDUMP** QLOAD OHOVE QREC SUBMIT TAF COMCRDC CHARGE CONTROL COPYB DAYFILE DFTERM DOCMENT EDIT FCOPY HELP KRONREF L072 MODIFY MODVAL OPLEDIT QFSP RESEQ RESTART SORT **DBFORM** TAF DEMUX DSDI SCRSIM STIMULA DEBUG E200CP XEDIT MODLIST COMCRDH CONVERT DOCMENT LIBEDIT L072 LISTER COMCRDO CHKPT DOCMENT MODVAL PFDUMP QL OAD RESTART TOUMP IAFEX TELEX DATADEF DATAMAP **DBFORM** DEMUX DSDI STIMULA **UP HOD** CIOTEST MACZ COMCRDS CONTROL COPYC CPMEM DOCMENT EDIT LIST80 1.072 MODIFY MODVAL OPLEDIT RESEQ SFS SUBMIT SYSEDIT VALNET IAFEX TELEX DATADEF **DBFORM** LIBTASK TAF DSDI LISTER COMCRDW BLANK CATALOG CATLIST CHARGE CHKPT CONTROL CONVERT COPYB COPYC COPY67 COPY 76 **CPMEM** DAYFILE DETERM DOCMENT EDIT FCOPY GTR HELP ISF KRONREF LDI LIBEDIT LIBGEN LIST80 L072 MODIFY MODVAL OPLEDIT PACK PFATC PFCAT PFCOPY PFDUMP PFLOAD PROFILE PURGALL 9MU GD QFSP QLOAD QMOVE QREC RESEQ RESEX RESTART SFS SORT SUBMIT SYSEDIT VALNET VERIFY **VFYLIB** IAFEX TELEX DATADEF DATAMAP DBFORM KISDMP LIBTASK TAF BDMI DEMUX DSDI MST SCRSIM STIMULA UPMOU E200CP DEBUG CIOTEST LISTER MODLIST ACPD MACZ COMCRSP **ACCFAM** MODVAL PFILES COMCREN VALNET TELEX TAF COMCSCB CATLIST PFATC PFCAT PFCOPY PF DUMP PFLOAD COMCSEM DAYFILE **DFTERM** HELP ISF PF DUMP RESTART SUBMIT STIMULA CIOTEST MAC2 COMCSEN BLANK CATLIST CATALOG CHARGE CHKPT CONTROL COPYB CPMEM DAYFILE DETERM DOCMENT

CROSS REFERENCE COMMON DECK CAL DECK		OPL FILE	=OPL	SYS. TEXT	=NOS TEXT	NOS 1-9E0	7T/R4A.	79/10/30.	15.07.22.	PAG	28
	EDIT MSI QMOVE DATADEF HUDLIST	ENQUIRE OPLEDIT QREC DATAMAP ACPD	FNTLIST PFATC RESEX DBFORM MAC1	HELP PFCAT RESTART KTSDMP	ISF PFCOPY SFS LIBTASK	KRONREF PFDUMP SYSEDIT TAF	LIBEDIT PFLOAD TDUMP BOMI	LISTLB PROFILE VERIFY DSDI	LO72 QDUMP VFYLIB STIMULA	MODIFY PSAMP	MODVAL QLOAD Telex Banner
COMCSNM	COPYB	COPYC	MODVAL	VERIFY	DBFORM	TAF	SYSMSG	LOADBC			
COMCSRT	CATALOG	COPYB	GTR	LIBEDIT	LIBGEN	MODIFY	SYSEDIT	VERIFY	VFYL18		
COMCSSN	CONTROL	TIMBUZ									
COMCSST	CATLIST	MSORT	SORT	SYSEDIT	LIBTASK						
COMCSTF	CATALOG PROFILE	CATLIST RESEQ	CHARGE TDUMP	CP MEM KT SDMP	DAYFILE DSDI	TIGE	ENQUIRE	HELP	MODVAL	PACK	PFILES
COMCSYS	ACCFAM COPY67 FILES LISTLB PACK QFSP SUBMIT DATAMAP STIMULA DDFILE LOADBC	BLANK COPY76 FNTLIST LIST80 PFATC QLOAD SYSEDIT DBFORM UPMOD LISTER MAC2	CATALOG CPMEM GTR LO72 PFCAT GMOVE TCOMND KTSDMP DFSORT MEMCALL	CATLIST CPUMLD HELP MAGNET PFCOPY QREC TDUMP LIBTASK DEBUG MODLIST	CHARGE CVLCP INSTALL MFILES PFDUMP RESEQ TR MDEF TAF E200CP QA QAQHT	CHKPT DAYFILE ISF MODIFY PFILES RESEX VALNET BDMI MREC QAQAQI	CONFIG DFTERM KRONREF MODVAL PFLOAD RESTART VERIFY DEMUX XEDIT GAGAGNM	CONTROL DOCHENT LDC MSI PFS ROUTE VFYLIB DSDI BANNER QAQAQS	CONVERT EDIT LDI MSORT PROFILE SETCORE IAFEX LPT BREAK QREWIND	COPYB ENQUIRE LIBEDIT NOTE PURGALL SFS TELEX MST CIOTEST RUNCPD	COPYC FCOPY LIBGEN OPLEDIT QDUMP SORT DATADEF SCRSIM CKMS VFYFL
COMCUPC	L072	NS I	PFS	LIBTASK	TAF	STIMULA	DEBUG	MREC			
COMCUS B	BLANK MODVAL Break	CHARGE NOTE Asarg	CONFIG OPLEDIT	CONTROL PROFILE	CUPYB QFSP	DAYFILE RESEX	EDIT SFS	ENQUIRE Sysedit	LIBEDIT TRMDEF	LISTLB LIBTASK	MODIFY DSDI
COMCVEE	QDUMP	QLOAD	QMOVE	QREC							
COMCNOD	CPMEM	MODVAL	KTSDMP	BDMI	MS T	DEBUG	DDF ILE	VFYFL	MAC1		
COMCHTC	CATALOG HELP QDUMP DBFURM MODLIST	CATLIST KRONREF OMOVE KTSDMP	CHARGE LO72 RESEQ LIBTASK	CONFIG MODIFY SORT BDMI	COPYB MODVAL SYSEDIT DEMUX	DAYFILE OPLEDIT TOUMP OSDI	DFTERM PFATC VALNET LPT	DOCMENT PFCAT VERIFY DEBUG	EDIT PFCOPY VFYLIB XEDIT	ENQUIRE PFDUMP DATADEF CIOTEST	FCOPY PFLOAD DATAMAP DDFILE
COMCWTH	CATLIST E200CP	CONVERT Lister	COPYB	LIBEDIT	MO DVAL	PFATC	PFCAT	PFCOPY	PFDUMP	PFLOAD	PROFILE
COMCHTO	CHKPT CIOTEST	DOCMENT DDFILE	FNTLIST	RESTART	DBFORM	TAF	BDMI	DEMUX	1020	UPMOD	XEDIT
COMCMES	CONTROL MODVAL DBFORM	CONVERT NOTE LIBTASK	COPYC OPLEDIT DEMUX	DOCMENT PROFILE DSDI	EDIT RESEQ BANNER	ENQUIRE SUBMIT LISTER	FNTL1ST Sysedit	L I BEDIT TDUMP	LIST80 VALNET	LO72 Verify	MODIFY DATADEF
CONCHTH	CATALOG	CATLIST	CHARGE	СНКРТ	CUNFIG	CONTROL	CONVERT	COPYB	COPYC	COPY67	COPY76

CROSS R COMMON	EFERENCE OF OPL. DECK CALLS.	OPL FILE	-OPL	SYS. TEXT	=NOSTEXT	NOS 1-9E0	7T/R4A.	79/10/30.	15.07.22.	PAG	E
DECK	DECK REFE	RENCES.									
	CPMEM KRONREF PACK RESEQ VFYLIB DSDI DDFILE	DAYFILE LDI PFATC RESEX IAFEX LPT LISTER	DFTERM LIBEDIT PFCAT RESTART TELEX MST MODLIST	DOCMENT LIBGEN PFCOPY SFS DATADEF STIMULA ACPD	EDIT LISTLB PF DUMP SORT DATAMAP UP MOD	ENQUIRE LISTBO PFLOAD SUBMIT DBFORM DEBUG	FCOPY LO72 PROFILE SYSEDIT KTSDMP E200CP	FNTLIST MODIFY QDUMP TDUMP LIBTASK XEDIT	GTR MODVAL QLOAD TRMDEF TAF BANNER	HELP NOTE OMOVE VALNET BDMI BREAK	OI OI OI OI C
COMCZAP	LIBEDIT	MODIFY	OPLEDIT	SYSEDIT	LIBTASK	1020	ASARG				
COMCZTB	CONFIG Mrec	MODIFY Banner	MODVAL DDFILE	PFDUMP	PFLOAD	QDUMP	QLOAD	OMOVE	QREC	TAF	Di
COMDDIS	DIS	080									
COMDOSP	DIS	026	ADC	BAT	DO G	<b>DS1</b>	WRM	CHD	DDF	EYE	
COMDSYS	DIS ,	DSD	026	ADC	DOG	DSI	WRM	CHD	DDF		
COMDTEN	DIS	DSD	DSDI								
COMEACM	**NONE **										
COMEBST	EXINIT										
COMECCB	**NONE **							1			
COMECTE	CATACC	EXINIT									
COMEEMC	**NONE**										
COMEEXP	ASARG	EXINIT							•		
COMEFCQ	**NONE**										
COMEHLR	CATACC										
COMEINT	EXINIT										
COMEIPR	EXINIT										
COMEJCA	EXINIT										
COMELTC	EXINIT										
COMEME B	EXINIT										
COMEMFD	**NONE **										
COMEMME	EXINIT										
COMEMSC	CATACC	MAPACC	ASUSE	EXINIT							
COMEONL	EXINIT										

COMEUTC

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ISF OPLEDIT OREC VERIFY DEMUX

CIOTEST

DEBUG

CROSS REFERENCE OF OPL. COMMON DECK CALLS. DECK DECK REFER		OPL FILE=	OPL	SYS. TEXT=	NOS TEXT	NOS 1-9E07	T/R4A.	79/10/30.	15.07.22.	PAGE	30
COMITES	1 T N										
COMITES	110										
CUMKBST	**NONE **										
COMKCBT	ITASK	MSABT	OFFTASK	SYSMSG							
COMKCRM	IMAA	AAML									
COMKFLD	LIBTASK	TAF	IMAA	AAML	BL DABH						
CONKKIN	TAF	SYSMSG									
СОНКНАС	KTSDMP JOURNL ITASK	BEGIN LIMITS KDIS	BLDABH LOGIN LOGT	CALLRIN MULTCB MSABT	CALLTSK SEND OFFTASK	CHKON SETCHT Sysmsg	CMDUMP Submt	DMGR TARO	DMSTAT TERMDEF	DSDUMP TSIM	EXTRACT WAITINP
COHKNAM	**NONE**										
COMKNE D	**NONE**										
COMKNYL	**NONE **	•		•				Ÿ.			
COMKNWC	**NONE**							•			
COMKNWF	TAF	BLDA8H									
COMKSOT	**NONE**										
COHKSTC	TAF	ITASK									
COMKTAF	TAF										
COHKTON	TAF	IMAA									
COMKTER	IMAA										
COMKTER	TAF										
COMKTIP	TAF	IMAA									
COMKTED	LIBTASK	TAF									
COMKTLX	**NONE**										
COMKTRN	TAF										
COMKTRR	TAF										
COMKZEN	IMAA	BLDABH	CALLRIN	CALLTSK	DSDUMP	LOGIN	SEND	SETCHT	SUBMT	TARO	TERMDEF
COMMMSE	6DE	6MD									
COMPACE	PFM										

CROSS REFERENCE		OPL FILE	-OPL	SYS. TEXT	=NOS TEXT	NOS 1-9E0	7T/R4A.	79/10/30.	15.07.22.	. Р	AGE 31
DECK CALE	DECK REFER	RENCES.									
COMPACS	C10 1L5	FDL	IMS	LFM	MS M	PFM	PFU	QAP	1AJ	108	1 TA
COMPANS	C10	FDL	PFU								
COMPBKP	**NONE**										
COMPCDI	SFM										
COMPCEA	IMS	SFM	1MR								
COMPCFP	VMO										
COMPCHI	CALLINT 1TD	QAP DS1	1CD 1TS	1DL CHD	110 1ED	1MT Callqis	6DE EYE	106 219	6DP Q26	6MD TMG	1 T N
COMPCHL	OSB	100	6DP								
COMPCHM	010	SET	STL	1LC							
COMPCIB	QAP	QFM	ОВР			·					
COMPCKP	C10	OFM	1MR								
COMPCLD	FDL	SFP	SLL	1AJ	105	1MT	1TA				
COMPCL X	EXU	laj									
COMPCMA	MSM	SET			•						
COMPCMX	CPM	0 4 1	1AJ	110	12 J	1TA	1TN	110	1TP	115	1LS
COMPCOB	QAP	QFM									
COMPCR A	CTO 1MT	CPM 1LS	FDL DDF	LFM	PFM	PFU	QAC	OAV	ORF	110	115
COMPCRS	CIO SFM	CPM TLX	AE 1 CAF	DSP HFM	FDL SMP	LFM CPD	PFM	PFU	QFM	RDM	RPV
COMPCTI	CIO	FDL	IMS	PFM	PF U	QF M	SFM	SFP	1CK	CPD	
COMPCUA	CPM 1AJ DDF	EAE TI2 CAF	ADC ADC VMO	DSP BAT	02 6 00 G	D2T bew	PFU HFM	QF M S M P	SFM WRM	SLL	VE J CPD
COMPCUN	DSP	LFM									
COMPCUT	PFU										
COMPCVI	CPM 15J	DSP 1TA	LFM 1TN	QAC 1TD	OF M 1 T P	SFM 1TS	OBF XSP	0 V J 1 L S	LAJ	110	180
COMPC2D	C I O QAP	DIO QFM	DSD RDM	DSP REC	IMS STL	LFM ORP	MSM 1aj	OUT 1CJ	PFM 1CK	PFU 1DS	9AC 110

CROSS REFERENCE COMMON DECK COMMON DECK		OPL FILE	OPL	SYS. TE	XT*NOSTEXT	NOS 1-91	EO7T/R4A.	79/10/30.	15.07.22.	PAG	32
	1MA 1LS	1 MB 1 MR	1MT DDF	1RI TMG	15 P	LTA	5ME	601	1TN	110	160
COMPDTS	IMS	PFM	QF M	SFM							
COMPDV 5	010	08 P	105								
COMPECX	CPM	0 4 7	1AJ	15.1	1TA						
COMPEAT	CPM	PFM	SFM	OAV							
COMPGBN	DSP	QFM	SFM	0 4 1							
COMPGIN	1TA -										
COMPGEN	CPM	RPV	TLX	1AJ	1R I	180	174				
COMPIFR	IMS	MSM	RDM	REC	1CK	OMF					
COMPIRA	010	FDL	MSM	PFM	PFU	REC	115	CPD			
COMPLDA	010										
COMPHAC	CALLDIS FDL QAC TLX 1AJ 1MT 6DP WRM CPD	CALLINT IMS QAP VEJ 1CD 1RI 6MD 1TS DDF	CIO LFH OFH OAU 1CJ 1RO 1TN ABC EYE	CPM MSM OAV 1CK 1SI 1TD CHD QIS	CVL MTR REC OBF 1DL 1SJ 1TP XSP Q26	OIO OSB RPV OBP 1DS 1SP ADC 1ED SPD	DIS OUT SET ODF 110 1TA BAT 1LS TMG	DSD 026 SFM 0FA 1IS 1TO DOG OHF VMO	DSP PFM SFP ORF 1MA 5ME DS1 1MR 1LC	ELM PFU SLL ORP 1MB 6DE HFM CALLOIS	EXU PPR STL OVJ 1MC 6DI SMP ABP
COMPARQ	1TN	170	160								
COMPMSD	6MD										
COMPRBB	QAP	QFM						•			
COMPRCB	QAP										
COMPRES	SFP	1 A J									
COMPRE I	D15	1AJ	1.M·A								
COMPREL	OAU	OBF	ODF	OFA	ORF	ORP	109	OMF			
COMPRIC	CIO SET 1TA	CPM OVJ 1TN	DSD 1AJ 1TD	DSP 1CJ 1TP	LFM 1DS 1TS	MSM 110 1LS	OUT 1MA CPD	QAC 1RI	QAP 1SI	QFM 1SJ	REC 1SP
COMPRL I	OAV	OBP	011						,		
COMPRL S	laj	101	181	180							
COMPRNS	CIO	DSP	EXU	FDL	LFM	PFM	QFM	REC	SFP	ОВР	1AJ

CROSS REFERENCE COMMON DECK CALI	.5.	OPL FIL	E=OPL	SYS. TE	KT=NOSTEXT	NOS 1-9	EO7T/R4A.	79/10/30	. 15.07.22	•	PAGE 33
DECK	DECK REF	ERENCES.									
	10L	105	1MT	1R I	1 T A			,			
COMPRSI	1F2 012	QIS MSM	026	143	110	1MA	151	1 T A	1TN	1 T D	1 TP
COMPRSS	CIO REC	CPM SFM	DSP SLL	IMS 1aj	LFM 1CJ	MSM 1DS	OUT 1ma	PFM 1SP	PFU 1LS	QAC 1MR	QFM
COMPSAF	DSP 1MT	E X U CPD	FDL	LFM	PFM	QAC	QFM	SFM	SFP	1AJ	118
COMPSCA	PFM	PFU	DDF								
COMPSDI	IMS	SFM									
COMPSON	PFM	PFU									
COMPSE I	SFF C10	DSP 1CJ	LFM 11S	MSM 1TA	0U T 1 T O	PFM XSP	PFU DDF	QFM	REC	SFM	SFP
COMPSES	DSD	IMS	MSM	PFM	1CK						
COMPSEB	DSP	FDL	LFM	PFM	QF M	SFM	SFP	1AJ	1MT	1 T P	CPD
COMPSEE	CPM	MSM	1TA	DDF							
COMPSFI	012	QAC	QFM	1AJ	1C J	105	1MA	1R0	121	1TA	1LS
COMPSEN	REC										
COMPSNT	C10	MSM	PFM	PFU	115	CPD	DDF				
COMPSPA	1AJ	105	1R I	1TA	110						
COMPSRA	C10	LFM	PFM	PFU	1C J						
COMPSRU	CPM										
COMPSSE	C10 15P	DSP 1LS	LFM 1mr	OUT	QAC	OFN	1AJ	1C J	110	1 MA	181
COMPSSF	CPM	PFM									
COMPSTA	CPM	DSD	TLX	1AJ	1R I	180	114	110			
COMPSTI	010	FDL	IMS	PFM	PFU	QFM	SFM	SFP	1CK	1MR	CPD
COMPSUT	PFU										
COMPTGB	DSD	IMS	MSM	PFM	1CK	115					
COMPTLB	DSD	1 MS	MSM	1CK	115						
COMPUPP	1 A J	105	1R I	1 T A	110						
COMPUP S	1 A J	1TA									

(	CROSS REFERENCE O COMMON DECK CALLS	F OPL.	OPL FILE.	OPL	SYS. TEXT-	NOSTEXT	NOS 1-9E07	T/R4A.	79/10/30.	15.07.22.	PAGE	34
í	DE CK	DECK REFER	ENCES.									
(	COMPUSS	010	DSP	LFM	OUT	QFM	1CJ					
(	COMPVF C	DSP	QAC	•								
C	COMPVEN	C10	CPM	DSP	LFM	HS H	PFM	QFM	SFM			
C	COHPVHS	VMO										
(	COMPWBB	QAP	QFM	OBP	100							
(	COMPWOB	**NONE**										
. 0	COMPHE I	1C1 C10	D2b D2b	LFM 1DS	MS M 1 I S	PFM 1ro	PFU 1TA	REC 1TO	SFM XSP	SFP 1MR	SLL CPD	Lav
C	COMPIESS	CIO SLL 1MR	NE 7 D S b	IMS 1AJ	LFM 1CJ	MSM 1CK	0UT 10S	PFM 1IS	PFU 1MA	QFM 1RO	REC 1TA	SFM XSP
C	COMPHVE	IMS	PFU									
c	COMP3XD	**NONE **										
C	OMSACC	CALLPPU OBF ISF ITS	CPM OVJ MODVAL XSP	DSP 1AJ PFCAT 1LS	LFM 110 PFLQAD	MS M 1 M A PR OFILE	PFM 1RO GREC	QAC 15 I 1TN	QAP 15 J IAFEX	REC 1TA 1TD	SET ACCFAH TELEX	OAV CPUMTR 1TP
С	OMSBIO	CALLPPU	DSD	QAP	08 P	1CD	110	1020				
C	OMSCIO	CALLPPU	C10	QAP	1MT	MA GNE T						
C	OMSCPO	CPD	RUNCPD	ACPD								
С	OMSCPS	CALLPPU OUT SFP 1CJ 6DI RUNCPD	CIO PFM TLX 1CK CPUMTR VMO	CPM PFU VEJ 1DS IAFEX ACPD	DIS PPR OAU IIS Telex	DS D QA C OA V 1 M A XS P	DSP QAP OBF 1MB 1LS	ELM OFM ODF 1RI OMF	FOL RDM OFA 1RO 1MR	IMS REC ORP 1SJ CPD	LFM SET 1AJ 1TA ODF	MSM SFM 1CD 6DE GIS
С	OMSDSL	CALLPPU 1CK	DIO 115	DSD MS.I	IMS ABC	MS M	OSB	OUT	REC	SET	SLL	STL
C	OMSESS	CETEXT	CAF	SET	12M							
С	OMSEVT		DSD Control	IMS RESEX	LFM CPD	MS H MAC2	PFM	PFU	ORP	105	1MT	1 SP
C	OMSEXP	OSO	1020	XSP	160	1L S	E200CP					
C				MSM QREC	QFM SUBMIT	REC TAF	SFM 1MR	DFTERM	LDI	1 SM	QDUMP	QFSP
	OMSJCE	CPM	U.V.D	laj	1MA							

CROSS REFERENCE		OPL FILE	-OPL	SYS. TEXT	-NOS TEXT	NOS 1-9E0	7T/R4A.	79/10/30	15.07.22	. PAG	€ 35
DE CK	DECK REFE	RENCES.									
COMSJIO	CALLPPU 1CD	1CJ	DSP FNTLIST	IMS QDUMP	LFM QFSP	MSM MSM	OUT OREC	QAC ROUTE	QAP XSP	QFM 1LS	LAI
COMSJRO	1AJ	1RI	1R0	1TA	110						
COMSLOR	BDMI		•								
COMSLEM	LFM	COPYB	PFLOAD	VERIFY							
COMSLSD	DSD	IMS	MSM	PFM	RDM	SET	1.CK	1SP	CPUMTR	MSI	
CONSMME	CALLPPU CPUNTR	IMS PFDUMP	MSM OMF	PFM 1MR	QFM MAC2	RDM	REC	SET	SFM	1CK	108
COMSHRT	1MR	MREC									
COMSMSC	MTR DSDI	PPR ACPD	REC	SET	SFP	SLL	STL	1AJ	1MT	1TA	TAF
COMSMS I	CALLPPU	IMS	MSI								
COMSMS P	CALLPPU OUT SLL 1DS 601 DDF	CIO PFM VEJ 110 6DP	CVL PFU OAU 11S 6MD	DIO PPR OAV 1MA CONTROL	DSP QAC OBP LMT CPUMTR	EXU OFM ORF 1RI MSI	FDL RDM ORP 1RO DSDI	IMS REC 1AJ 1SP MST	LFM SET 1CJ 1TA XSP	MSM SEM ICK ITO OMF	MTR SFP 1DL 6DE 1MR
COMSMS T	DSD	IMS	nsn	PFM	REC	1CK	115				
COMSMTR	MTR	CPUMTR									
COMSMTX	CIO Magnet	DIS PFLOAD	DSD RESEX	LFM VERIFY	RE C TAF	SFP DSDI	ORF CPD	1DS TMG	1MT	COPYB	CPUMTR
COMSNCD	110	IAFEX	TAF	SEND	TERMDEF						
COMSNET	CALLCPU	VALNET	IAFEX	TELEX	TAF						
COMSPEN	CALLCPU OFA MSI SUBMIT DDF	CALLPPU ORP PFATC IAFEX HAC2	CIO 1AJ PFCAT TELEX CATACC	IMS 1CK PECOPY DATADEF MAPACC	MSM 1SI PFDUMP DBFORM ASDEF	PFM 1TA PFILES KTSDMP ASLABEL	PFU CATLIST PFLOAD TAF ASMOVE	REC CHARGE PROFILE BDMI ASUSE	SFM DFTERM PURGALL STIMULA ASVAL	OAU ISF RESEX 1MR EXINIT	OAV MODVAL RESTART XEDIT
COMSPES	MSI	PFATC	PFCAT	PFCOPY	PF DUMP	PFLOAD	PFS	MREC	MAC2		
COMSPFU	CALLPPU	PFU	MSI	PFATC	PF CAT	PECOPY	PFDUMP	PFLOAD	PF S	MAC2	
COMSPRD	CIO QAP IAJ ISJ MODVAL IAFEX	CPM QFM 1CK 1SP PFATC 1TD	DSD RDM 1DS 1TA PFCAT TELEX	DSP REC 110 ACCFAM PFCOPY 1TP	IMS SET IIS CATLIST PFDUMP LIBTASK	LFM SLL 1MA CHARGE PFLOAD TAF	MSM TLX 1MB CONFIG PFS BEGIN	MTR VEJ 1MT CPUMTR GFSP BLDABH	PFM OBP IRI CVLCP RESEX CALLRYN	PFU ORF IRO INSTALL SYSEDIT CHKON	QAC OVJ 1SI ISF 1TN CMDUMP

CROSS REFERENCI COMMON DECK CAI DECK		OPL FILE	-OPL	SYS. TEXT	-NOSTEXT	NOS 1-9E0	7T/R4A.	79/10/30.	15.07.22.	PAGE	36
	DMGR TERMDEF MREC	DMSTAT TSIM CPD	DSDUMP Waltinp DDF	JOURNL Itask QIS	LIMITS KDIS Q26	LOGIN Logt TMG	MULTCB MSABT ACPD	SEND OFFTASK LOADBC	SETCHT SYSMSG MAC2	SUBMT SCRSIM	TARO XSP
COMSPRO	CPM	UAU	CHARGE	15F	PROFILE		*				
COMSQFS	CALLCPU	DFTERM	FNTLIST	QDUMP	QF SP	QLOAD	OMOVE	QREC			
COMSREM	CALLPPU 1RI 1TD	CALLINT IRO Telex	CPH 1TA DSDI	DSD 1TO CPD	MT R CONTROL	PFM Enquire	RPV MSORT	TLX PFILES	1AJ VALNET	10S 1TN	1MB IAFEX
CUMSRSX	LFM	PFM	ORF	ENQUIRE	MAGNET	RESEX					
COMSSCP	1AJ	1 MA	151	151	LSP	CPUNTR	IAFEX				
COMSSOR	CALLPPU	MTR	SET	STL	1A J	1 MB	HEM	1020	SCRSIM	CPD	
COMSSES	MODVAL	PROFILE	SFS								
COMSSRU	CIO RESEX	FDL	PFM	1AJ	144	1HT	1TA	ACCFAM	CHARGE	CPUNTR	PROFILE
COMSSSE	CALLPPU SFM 1SP	CIO VEJ 1TA	CPM OBP ODUMP	OSP OL DAD	LFM 1AJ GMOVE	MSM 1CJ XSP	OUT 1DS 1LS	QAC 110 1MR	QAP 1MA	QFM 1RI	REC 1RO
COMSSS J	CIO SET CHARGE PFLOAD SYSEDIT	CPM SFM CHKPT PFS IAFEX	CVL SLL CONTROL PROFILE TELEX	DSD VEJ ENQUIRE QDUMP TAF	DSP OBF INSTALL QFSP HFM	LFM LAJ ISF QLOAD DSDI	OUT LCJ MAGNET QMOVE SCRSIM	PFM 1R1 MODVAL RESEX MREC	PFU 1RO MSI RESTART LOADBC	QAC ACCFAM PFCAT ROUTE MAC2	QFM BLANK PFDUMP SUBMIT
COMSSIM	1TS	STIMULA		•							
CONSTCH	CALLPPU IAFEX	10S	1RO Telex	1TA	110	CHARGE	EDIT	L072	MODVAL	PFILES	1TN
COMSTOR	CALLPPU	1 TN	IAFEX	110	TELEX						
COMSTRX	TAF	IMAA	BDMI								
CONSHE I	CALLPPU SFM XSP	CIO SFP IMR	DSP SLĻ CPĎ	L BA	LFM 1CJ	MSM 1CK	PFM 1DS	PFU 11S	PPR 1RO	QFM 1TA	REC 110
COMSZOL	010 010	CPM SLL 1AJ	CAT 1C1	DSP OAU 1DS	LFM OAV IMT	PEM OBF IRI	PFU 08P 1RO	QAC ODF 1TA	QAP OFA XSP	QFM ORF 1LS	REC ORP OMF
COMSIDS	DSO	REC	SET	105	1 S P	1020					
COMS176	SET	CPUMTR									
COMTDAB	ОВР	110	FCOPY								

CROSS REFERENCE OF COMMON DECK CALLS DECK		OPL FILE:	•OPL	SYS. TEXT-NOSTEXT	NOS 1-9E07T/R4A.	79/10/30. 15.07.22.	PAGE	37
CONTOP6	110							
COMTDP 9	110				·			
CONTNAP	MODVAL							
COMTVDT	110	TRMDEF	IAFEX					
COMT6DP	110							
COMTSAD	QAP							
COMT9DP	110							
COMUCTW	ASMOVE	ASVAL						
COMUDE F	ASDEF							
COMUDEP	ASARG	ASDEF						
COMUERR	ASLABEL							
COMUFMT	RFORM							
COMULAB	ASLABEL							
COMULBP	ASARG	ASLABEL						
COMUMOV	ASMOVE							
COMUNYP	ASARG	ASMOVE						
COMUDUT	RFORM	ASLABEL	ASMOVE	ASUSE				
COMUSIT	ASMOVE							
COMUUSE	ASUSE							
COMUUS P	ASARG	ASUSE						
COMUVLD	ASVAL							
COMUVLF	ASVAL							
COMUVLM	ASVAL							
COMUVL P	ASARG	ASVAL						
COMUVL V	ASVAL							
COMUVLX	ASVAL							
COMZCBP	EXINIT							
COMZCBT	EXINIT							

			•		
CRUSS REFERENC	CE OF OPL. ALLS.	OPL FILE-OPL	SYS. TEXT-NOSTEXT	NOS 1-9E07T/R4A.	79/10/30. 15.07.22.
DECK	DECK REFER	RENCES.			
COMZCDD	EXINIT				
COMZCPG	**NONE**				
COMZERB	EXINIT				
COMZITM	EXINIT				
COMZLOC	EXINIT				
COPYRT	020				
CPCOM	NOSTEXT	SYSTEXT			•
OMABZF;	EXINIT				
OMACHN;	EXINIT				
OMACMD;	EXINIT			•	
OMACMS;	ASDEF	EXINIT			
OMAFET;	EXINIT	·			
OMALRQ;	EXINIT				
OMAMAT;	EXINIT				
UMAMCT;	EXINIT				
OMANSS;	EXINIT				
OMAPEP;	EXINIT				
OMATDM;	EXINIT				
OME ACH;	EXINIT				
OMEBST;	EXINIT				
OMECTF;	EXINIT				
OMEEXP;	EXINIT				
OMEFCQ;	EXINIT				

OMEHLR;

OMEINT;

OMELTC;

OMEMSC;

OMSPEM;

EXINIT

EXINIT

EXINIT

EXINIT

EXINIT

PAGE

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CROSS REFERENCE OF OPL. OPL FILE=OPL SYS. TEXT=NOSTEXT NOS 1-9E07T/R4A. 79/10/30. 15.07.22. PAGE 39 COMMON DECK CALLS.

DECK D

DECK REFERENCES.

OMUDEP;

ASDEF

OMUVLP;

ASVAL

OMUVLX;

ASVAL

OMZCBP;

EXINIT

OMZCBT;

EXINIT

OMZERB;

EXINIT

PPCOM

PPTEXT

NOSTEXT

CRUSS REFERENCE PP PACKAGES CALL DECK	OF OPL. ED. DECK REFER	OPL FILE	<b>-</b> 0PL	SYS. TEXT	NOS TEXT	NOS 1-9E07	/T/R4A.	79/10/30.	15.07.22.	PAGE
ABC	**NONE **									
ABP	BREAK									
ADC	**NONE **									
BAT	**NONE**									
BCL	STL									
CALLDIS	**NONE **									
CALLINT	**NONE**									
CALLPPU	**NONE**									
CALLQIS	**NONE **									
СНД	**NONE**									
CIO	QAP	laj	100	110	SMP	1LS	926	•		
CODING	**NONE **									
CPD	RUNCPD									
CPM	SFP	PFS	TAF							
CVL	**NONE **									
DDF	**NONE **									
010	**NONE **									
DIS	**NONE **									
DUC	**NONE **									
מצט	**NONE **									
DSP	QAP	QDUMP	QLOAD	OMOVE				•		
051	**NONE **									
EXU	**NONE **									
EYE	**NONE **									
FDL	**NONE **									
HFM	SCRSIM									
1 M S	CONFIG	1 S M								
LFM	SFP									

CROSS REFERENCE OF OPL. PP PACKAGES CALLED. DECK DECK REFE	OPL FILE OPL	SYS. TEXT=NOSTEXT	NDS 1-9E07T/R4A.	79/10/30. 15.07.22.	PAGE	41
MSM **NONE**						
MTR ++NDNE++						
OSB						
OUT FILES	926					
026 DIS						
PFM **NONE**						
PFU ++NONE++						
QAC 110	FNTLIST 1LS					
QAP 1CD						
QFM ++NONE++						
012 026						
920						
RDM CONFIG						
REC **NONE**						
RPV **NONE **						
SET ++NONE++						
SFM DFTERM						
SFP **NONE **						
STF SAZEDIA						
SMP ++NONE++						
\$PD						
STL **NONE**						
TCS 1AJ						
TLX **NONE **				•		
TMG **NONE **						
VE J QLOAD	QMOVE					
WRM **NONE**					•	
XSP 1LS						

CROSS REFERENCE PP PACKAGES CALL DECK	OF OPL. .ED. DECK REFE	OPL FILE	<b>-</b> 0PL	SYS. TEXT	T=NOS TEXT	NOS 1-9E0	07T/R4A.	79/10/30	15.07.22	•	PAGE	42
OAU	CPM	LAI	1C J	180	1 S P	174						
OAV	СРМ	DSP	LFM	PFM	QAC	QFM	VE J	0 4 1	1TA	XSP		
OBF	C10 1CJ	DS P 1DS	LFM 115	PFM 1RO	PF U 1TP	QAP XSP	QFM	SFM	STT.	STL		VE J
08P	QAP	1LS										
001	REC	1 MR										
ODF	1CJ C10	DSP 1DS	LFM 1MT	PFM 1ri	QAC 1RO	QFM 1ta	REC 1TP	SFM 1LS	SLL	٧E٦		LAJ
OFA	PFU	ODF										
OMF	MSM											
190	CVL	IMS	MSM	REC	115	DOF						
ORF	PFM	REC	ODF	1CJ	17.4							
ORP	ODF											
011	IMS	MSM .										
0 V J	DSP	QAP	QFM .	AE 7	XS P							
1AJ	210	1 A J	IMT	181	180	151	SMP	11.5	DDF	015		
100	**NONE **											
1C J	LAJ											
1CK	020	1MB										
100	REC	SLL	STL									
1DL	210	DSD	1TN	110	DO G	168	210	Q2 6				
105	aza											
160	1LS											
110	**NONE **											
115	**NONE **											
11.0	**NONE **											
1L S	1ED											
IMA	**NONE **											
1 M B	**NONE **											

CROSS REFERENCE C PP PACKAGES CALLE DECK	OF OPL. ED. DECK REFER	OPL FILE=OPL RENCES•	SYS. TEXT=NOSTEXT	NOS 1-9E07T/R4A.	79/10/30. 15.07.22.	PAGE	43
1MC	**NONE **						
1MR	**NONE **						
1MT	**NONE **						
1R I	1AJ	153					
1RO	1AJ						
1RP	1TN	110					
151	**NONE **						
15J	**NONE **						
15P	**NONE **						
1TA	**NONE **						
1 <b>T</b> D	110						
1TN	1 T N						
110	**NONE **						
1TP	**NONE **						
175	**NONE **						
2LD	FDL				•		
2MA	1MA						
2MB	1MA						
2MC	1MC						
2MD	1 MB						
2RP	RPV						
210	110						
2TN	1TN						
210	110						
3AA	LAJ						
3AB	1 A J						
3AC	LAJ			,			

3AD

1 A J

CROSS REFERENCE ( PP PACKAGES CALLE DECK	OF OPL. ED. DECK REFEI	OPL FILE=OPL	SYS.	TEXT=NOSTEXT	NOS 1-9E07T/R4A.	79/10/30. 15.07.22.	PAGE
3AE	LAJ						
3AF	1AJ						
3AG	1 A J						
ЗАН	laj						
38 A	QAP						
388	QAP						
3BC	QAP						
380	QAP						
3BE	GAP						
38F	PAP						
3CK	1CK						
31A	110						
318	110						
31C	110						
310	110						
3 M A	1 M T						
3MB	INT						
3ME	1MT						
3MF	187						
3P.A	PFH						
3PB	PFM						
3PC	PFM						
3PD	PFM						
3PE	PFM						
3PF	PFM						
3 P G	PFM						
3PH	PFM						

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PFH

CROSS REFERENCE OF OPL. PP PACKAGES CALLED. DECK DECK RE	OPL FILE=OPL	SYS. TEXT-NOSTEXT	NOS 1-9E07T/R4A.	79/10/30. 15.07.22.	PAGE	45
3PJ PFM						
3PK PFM	•					
3PL PFM						
3PM PFM						
3PN PFM						
3PO PFM						
3PP PFM						
3QR QAC						
3RF 1R1			•			
3RG 1RI						
3RH 1RI						
3RI 1RI						
3RP 1RO						
3RQ 1RO						
3SA 1SJ						
3SZ SFM				•		
4DA MSM	REC					
4DB MSM						
4DC MSM						
4DD REC						
4DE REC						
4DF MSM						
4DG MSM						
4DH MSM						
58A QAP						
5BB QAP						
51A 110						
51C 110						

CROSS REFERENCE ( PP PACKAGES CALLE		OPL FILE-	OPL	SYS.	TEXT-NOSTEXT	NOS 1	-9E07T/R4A.	79/10/30.	15.07.22.	PAGE	46
	DECK REFE	RENCES.									
510	110										
51E	110										
51 G	110										
51H	110								-		
5ME	OSO	нѕн	1CK								
6DE	**NONE **									•	
103	**NONE **										
6DP	**NONE **										
6MD	**NONE **										
7SE	1DL										

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CROSS REFERENCE OF OP SPECIAL ENTRY POINTS.		•OPL	SYS. TEXT=	NOSTEXT	NOS 1-9E07	T/R4A.	79/10/30.	15.07.22.	PAGE	47
	REFERENCES.									
ARG= BLA	NK CHARGE	CONTROL	DAYFILE	LISTLB	PROFILE	RESEX	ASARG			
DMP= CHK	CPT CPMEM	CVLCP	RESEX	RESTART						
MFL= CPM BAN	MEM DOCMENT NNER DDFILE	GTR MODLIST	KRONREF	MA GNE T	OPLEDIT	SORT	VFYLIB	OSDI	MST	UPMOD
COP LDI PFI TCO STI	CFAM BLANK PY67 CUPY76 LISTLB ILES PFS DMND TDUMP IMULA E200CP ENIND RUNCPD	CATALOG CVLCP LIST80 PROFILE TRMDEF MREC ACPD	CATLIST DAYFILE LO72 PURGALL VERIFY XEDIT LOADBC	CHARGE EDIT MAGNET OF SP IAFEX CIOTEST	CHKPT ENOUIRE MFILES RESEQ TELEX CKMS	CONFIG FCOPY MODIFY RESEX KTSDMP MEMCALL	CONTROL FILES MODVAL RESTART LIBTASK QAQAQHT	CONVERT HELP MSI ROUTE DEMUX QAQAQI	COPYB INSTALL NOTE SUBMIT LPT QAQAQNM	COPYC ISF PACK SYSEDIT SCRSIM QAQAQS
SDM= ACC	FAM MODVAL	PFILES								
SSJ= ACC MSI MRE		CHARGE PROFILE ASARG	CHKPT QFSP	CONTROL Resex	CVLCP RESTART	ENQUIRE Sysedit	INSTALL IAFEX	ISF TELEX	MAGNET DSDI	MODVAL SCRSIM
SSM= CAT	ALOG COPYB	COPYC	EDIT	LIBEDIT	QFSP	VERIFY	VFYLIB			
VAL= ACC	CFAM CHARGE									

CRUSS REFERENCE O SYSTEM MACRO REQU DECK			OPL	SYS. TEXT	NOSTEXT	NOS 1-9E07	T/R4A.	79/10/30.	15.07.22.	PAGE	48
-	CODING								,		
a .	COMAUCR										
CLO	CIOTEST										
CII	ITASK	KDIS									
DMD	TAF										
DMP	MAGNET	IAFEX	TELEX	BDMI							
ELM	COMCECS										
LDR	COPYB	MODIFY	DATADEF								
RSB	CONFIG QLOAD	DF TERM QMOVE	ENQUIRE QREC	ISF IAFEX	MS I TELEX	PFCAT DSDI	PFDUMP SCRSIM	PFLOAD MREC	PFS LOADBC	QDUMP MAC2	QFSP
SCT	CALLTSK	CEASE	KDIS								
SIC	COMKTLX	LIBTASK	TAF								
SPC	INSTALL	IAFEX	TELEX	TAF	STIMULA	E200CP	MREC	LOADBC			
ANO	CKMS										

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3948 +CALL STATEMENTS.

437890 LINES OF CODE.

PROGRAM LIBRARY STATISTICS.

152718 \* TYPE COMMENT STATEMENTS.

34306 TOTAL INACTIVE STATEMENTS.

664888 TOTAL ACTIVE STATEMENTS.

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LOWER	CYBER	SYSTEMS	PROGRAMMING	STANDARD.

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LOHER CYBER SYSTEMS PROGRAMMING STANDARD

## 1.0 INTRODUCTION

#### 1.1 SCOPE.OF.DOCUMENT

#### 1.1.1 PURPOSE

THIS DOCUMENT ESTABLISHES THE STANDARD PROCEDURES TO BE USED BY PROGRAMMERS IN THE DEVELOPMENT AND MAINTENANCE OF PROGRAMS.

THIS DOCUMENT SHOULD BE USED BY PROGRAMMERS AS A REFERENCE MANUAL OF STANDARD PROGRAMMING PROCEDURES. THE IMPLEMENTATION OF THESE PROCEDURES WILL INCREASE THE EFFICIENCY OF PROGRAM DEVELOPMENT, IMPROVE THE RELIABILITY AND MAINTAINABILITY OF THE PROGRAM AND AID IN THE TRAINING OF PERSONS WHO WILL BE MAINTAINING OR USING THE PROGRAM.

#### 1.1.2 SCOPE OF USE

THE PROCEDURES DEFINED IN THIS DOCUMENT ARE APPLICABLE TO THE FOLLOWING OPERATING SYSTEMS AND THEIR RELATED SUBSYSTEMS:

SCOPE 3.4.N NOS/BE NOS

CODE WHICH IS COMMON TO BOTH OPERATING SYSTEMS WILL USE ASSEMBLY OPTIONS TO SPECIALIZE THE CODE WHERE THERE ARE DIFFERENCES IN THESE PROCEDURES.

#### 1.2 CONFORMANCE.AND.ENFORCEMENT

THE PROCEDURES DEFINED IN THIS DOCUMENT ARE USED IN ALL NEWLY DEVELOPED PROGRAMS. IN EXISTING PROGRAMS THESE PROCEDURES SHOULD BE USED IF THEY ARE NOT INCONSISTENT WITH THE EXISTING PROCEDURES. IF MAJOR CHANGES (SUCH AS A REWRITTEN SUBROUTINE OR A NEW OVERLAY) ARE MADE TO A PROGRAM. THESE PROCEDURES ARE TO BE USED FOR THE CHANGES.

PROGRAMS WHICH DO NOT CONFORM TO THESE REQUIREMENTS WILL BE RETURNED TO THE PROGRAMMER FOR CORRECTION.

#### 2.0 DOCUMENTATION

#### 2.1 INTRODUCTION

DOCUMENTATION IS THE PRESENTATION OF INFORMATION ABOUT A PROGRAM IN EASILY UNDERSTANDABLE FORM SO THAT THOSE WHO NEED TO UNDERSTAND THE PROGRAM DO NOT NEED TO STUDY THE PROGRAM ITSELF. THIS REDUCES THE TIME CONSUMED FROM DAYS OR WEEKS TO JUST MINUTES OR HOURS.

THE PROGRAM DOCUMENTATION PRESENTED IN THIS STANDARD IS EMBEDDED WITHIN THE SOURCE LANGUAGE OF EACH PROGRAM. THE DOCUMENTATION IS DESIGNED TO BE EXTRACTABLE BY THE STANDARD DOCUMENTATION PROCESSING PROGRAM. THIS APPROACH SERVES TO UNIFY THE PROGRAM AND ITS DOCUMENTATION, MAKING IT EASIER AND MORE NATURAL TO UPDATE THE DOCUMENTATION AS CHANGES ARE MADE TO THE CODE.

THE EFFECTIVENESS OF DOCUMENTATION IS JUDGED BY ITS SUCCESS IN MEETING THE NEEDS OF THOSE WHO USE IT. THIS INTRODUCTION DEFINES FOUR DISTINCT NEEDS FOR DOCUMENTATION WHICH ARISE DURING THE LIFE OF A SOFTWARE PRODUCT. SECTIONS 2.3 THROUGH 2.5 DEFINE THREE LEVELS OF DOCUMENTATION (PROGRAM LEVEL, SUBROUTINE LEVEL AND CODE LEVEL) WHICH TOGETHER MEET THESE NEEDS.

SECTION 2.6 GIVES EXAMPLES OF PROPER DOCUMENTATION.

#### 2.1.1 DESIGN OVERVIEW

ANYONE WANTING TO KNOW THE STRUCTURE OF THE SYSTEM, OR SOME FUNCTIONAL AREA, DOES NOT WANT A LOT OF DETAILED INFORMATION WHICH WILL MAKE THE TASK MORE DIFFICULT. ONE SHOULD BE ABLE TO ASK THEOUESTION:

WHAT IS THE FUNCTION OF THIS PROGRAM.

AND GET AN ANSWER THAT IS BRIEF AND TO THE POINT. IT SHOULD NOT CONTAIN ANY INFORMATION ABOUT THE INPUT PARAMETERS, OPTIONS, ERROR CONDITIONS, OR INTERNAL WORKINGS OF THE PROGRAM.

## 2.1.2 EXTERNAL INTERFACE

ANYONE WHO KNOWS THE FUNCTION OF A PROGRAM AND WANTS TO KNOW HOW TO INTERFACE TO THE PROGRAM NEEDS TO KNOW THE FORM OF THE CALL, WHAT PARAMETERS TO SUPPLY, WHAT INFORMATION IS RETURNED, AND WHAT IS ACCOMPLISHED. ONE SHOULD BE ABLE TO ASK THE QUESTION:

HOW IS THIS PROGRAM USED.

AND GET AN ANSWER THAT LISTS THE PARAMETER DEFINITIONS, FORMATS,

AND CONTENTS, THE INITIAL CONDITIONS OF BUFFERS AND DEVICES, ANY STATUS AND CONDITION INFORMATION, A LIST OF OTHER PROGRAMS CALLED, AND A COMPLETE LIST OF ERROR CODES, ERROR MESSAGES ISSUED AND PARAMETERS RETURNED. A GENERAL DESCRIPTION OF THE ACTIONS TAKEN SHOULD BE INCLUDED FOR EACH FUNCTION PERFORMED THAT IS RECOGNIZABLE BY THE CALLING PROGRAM.

#### 2.1.3 INTERNAL OPERATION

ANYONE WORKING ON A MODIFICATION OR ENHANCEMENT TO THE SYSTEM NEEDS A GENERAL KNOWLEDGE OF THE INTERNAL DPERATION OF A PROGRAM. THIS REQUIRES FINDING OUT WHERE WITHIN THE PROGRAM SOME FUNCTION IS PERFORMED AND HOW IT IS PERFORMED. ONE SHOULD BE ABLE TO ASK THE QUESTION:

#### HOW DOES THIS PROGRAM WORK.

AND GET AN ANSWER THAT INCLUDES A DESCRIPTION OF THE LOGICAL FLOW AND STRUCTURE OF THE PROGRAM, THE ALGORITHMS USED AND THE FUNCTION PERFORMED BY EACH OVERLAY OR SUBROUTINE IN THE PROGRAM.

#### 2.1.4 DETAILED CODE ANALYSIS

ANYONE ATTEMPTING TO MODIFY THE PROGRAM OR ESTABLISH A KNOWLEDGE OF THE DETAILED OPERATION OF A PROGRAM USES THE LISTING. DOCUMENTATION SHOULD BE PROVIDED IN THE LISTING TO AID IN FOLLOWING THE FLOW OF THE PROGRAM WITHOUT READING ALL OF THE CODE. THIS DOCUMENTATION CONSISTS OF COMMENTS WITHIN THE CODE ITSELF. COMMENTS DESCRIBING THE FUNCTION OF LOGICAL GROUPS OF INSTRUCTIONS SHOULD BE PROVIDED, AND COMMENTS DOCUMENTING TABLE STRUCTURES, DATA AREAS, AND CONSTANTS SHOULD APPEAR ON THE INSTRUCTIONS WHICH DEFINE THEM. ONE SHOULD BE ABLE TO ASK THE QUESTION:

## WHAT SHOULD I KNOW WHEN MODIFYING THIS PROGRAM.

AND GET BACK AN ANSWER WITH ALL THE DETAIL NEEDED TO MAKE THE MODIFICATIONS WITHOUT ADVERSELY AFFECTING EXISTING PROGRAM FUNCTIONS.

## 2.2 GENERAL.REQUIREMENTS

## 2.2.1 ABBREVIATIONS

THE ABBREVIATIONS FOR TECHNICAL TERMS WHICH ARE TO BE USED IN PROGRAM DOCUMENTATION ARE LISTED IN APPENDIX A. ALL OTHER TECHNICAL WORDS AND PHRASES ARE COMPLETELY SPELLED OUT. ROUTINE NAMES AND MNEMONIC NAMES OF TABLES AND EQUIPMENTS ARE NOT CONSIDERED ABBREVIATIONS.

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A PROGRAM WHOSE DOCUMENTATION MAKES EXTENSIVE USE OF TERMS NOT IN THIS LIST MAY DEFINE A LIST OF ABBREVIATIONS AND INCLUDE IT IN THE FIRST SECTION OF THE INTERNAL DOCUMENTATION FOR THE PROGRAM. SUCH ABBREVIATIONS MAY NOT BE USED IN THE PROGRAM OVERVIEW OR EXTERNAL DOCUMENTATION.

THE FOLLOWING STANDARD SYMBOLS ARE USED IN THE DOCUMENTATION WHEN EXPRESSING LOGICAL AND ARITHMETIC COMPARISONS:

- NOT -LOGICAL INVERSE
- .XOR. EXCLUSIVE OR
- . AND. LOGICAL PRODUCT
- .OR. LOGICAL DIFFERENCE
- .NE. NOT EQUAL TO
- ·LE. LESS THAN OR EQUAL TO
- GREATER THAN OR EQUAL TO .GE.
- .LT.
- LESS THAN .GT. GREATER THAN
- EQUAL TO
- () CONTENTS OF

## 2.2.2 PUNCTUATION

ALL DOCUMENTATION AND COMMENT CARDS CONTAIN COMPLETE ENGLISH SENTENCES WITH CORRECT PUNCTUATION. EXCEPTIONS ARE ALLOHED IN SUBROUTINE HEADINGS (SEE SECTION 2.4) AND IN EMBEDDED COMMENTS (SEE SECTION 2.5.2). TITLES (SUCH AS \*ASSEMBLY CONSTANTS.\*) SHOULD END WITH A PERIOD BUT NEED NOT BE COMPLETE SENTENCES. EACH COMMENT (EXCLUDING EMBEDDED COMMENTS) SHOULD END WITH A PERIOD EVEN IF IT IS NOT A SENTENCE.

CORRECT PUNCTUATION MEANS THE SAME PUNCTUATION AS REQUIRED IN WRITTEN ENGLISH. HOWEVER, THE APOSTROPHE PRESENTS PROBLEMS DUE TO CHARACTER SET AND PRINT TRAIN DIFFERENCES. AND PLURALS OF ABBREVIATIONS ARE NOT READABLE WITHOUT UPPER AND LOWER CASE. THEREFORE, PLURALS AND POSSESSIVE FORMS OF ABBREVIATED TERMS ARE TO BE AVOIDED. AUTHORIZED ABBREVIATIONS (SEE SECTION 2.2.1) ARE MADE PLURAL BY ADDING A HYPHEN AND THE LETTER 'S' (E.G. PPU-S).

IF AN UPPER CASE ITEM IS TO BE INDICATED IN THE DOCUMENTATION, IT IS ENCLOSED WITHIN ASTERISKS. UPPER CASE IS USED FOR NAMES OF FILES, PROGRAMS, CALLING PARAMETERS, SUBROUTINE TAGS, TABLE NAMES AND ANY OTHER WORDS THAT ARE NORMALLY CAPITALIZED.

## 2.2.3 FORMATS

DOCUMENTATION LINES CONTAIN ONLY ASTERISKS AND BLANKS IN THE FIRST TEN COLUMNS AND TEXT IN COLUMNS 11 THROUGH 71. THE TEXT IS WRITTEN USING CORRECT ENGLISH EXCEPT WHERE SPECIFICALLY NOTED. THE FORMAT FOR EACH OF THE VARIOUS TYPES OF DOCUMENTATION IS SHOWN LATER SECTIONS DEFINE THE USAGE OF EACH TYPE OF DOCUMENTATION.

- OVERVIEW ASTERISKS IN COLUMNS 1 THROUGH 5 (\*\*\*\*\*). THIS CARD INDICATES THAT THIS AND THE FOLLOWING CONTIGUOUS COMMENT CARDS MAKE UP THE PROGRAM OVERVIEW DOCUMENTATION.
- EXTERNAL ASTERISKS IN COLUMNS 1 THROUGH 3 (\*\*\*). THIS CARD INDICATES THAT THIS AND THE FOLLOWING CONTIGUOUS COMMENT CARDS ARE TO BE INCLUDED IN THE PROGRAM EXTERNAL DOCUMENTATION.
- INTERNAL ASTERISKS IN COLUMNS 1 AND 2 (++). THIS CARD INDICATES THAT THIS AND THE FOLLOWING CONTIGUOUS COMMENT CARDS ARE TO BE INCLUDED IN THE PROGRAM INTERNAL DOCUMENTATION.
- INTERNAL BRACKET ASTERISKS IN COLUMNS 1 THROUGH 4 (++++).
  THIS CARD AND ALL OTHER CARDS UP TO AND INCLUDING THE NEXT
  OCCURRENCE OF THIS CARD ARE TO BE INCLUDED IN THE PROGRAM
  INTERNAL DOCUMENTATION.
- OTHER COMMENT ASTERISK IN COLUMN 1 (\*). THIS TYPE OF COMMENT IS USED FOR CONTINUATION OF THE ABOVE TYPES OF DOCUMENTATION. IT IS ALSO USED FOR STAND-ALONE COMMENTS (SEE SECTION 2.5.1).
- TABLE ASTERISK IN COLUMN 1, T IN COLUMN 2 (+T). THIS CARD INDICATES TABLE DOCUMENTATION. THE +T CARDS MUST APPEAR WITHIN A SET OF CONSECUTIVE COMMENT STATEMENTS BEGINNING WITH AN EXTERNAL (+++) OR INTERNAL (++) STATEMENT.
- BLANK COMMENT CARD A CARD WITH AN ASTERISK IN COLUMN 1 (+)
  AND BLANKS IN COLUMNS 2 THROUGH 71 IS CALLED A \*BLANK
  COMMENT CARD\* AND IS USED AS A SEPARATOR TO IMPROVE
  READABILITY OF DOCUMENTATION.

## 2.2.4 FORMAT OF ITEMIZED DOCUMENTATION

OCCUMENTATION WHICH CONTAINS SEVERAL SEPARATE ITEMS OF INFORMATION (AS FOUND IN SECTIONS 2.3.1, 2.3.2, 2.3.3 AND 2.4) CONTAINS A BLANK COMMENT CARD BETWEEN THE ITEMS. EACH ITEM ENDS WITH A PERIOD. IF AN ITEM IS NOT APPLICABLE IT IS OMITTED FROM THE DOCUMENTATION. THE ITEMS ARE PLACED IN THE ORDER SPECIFIED AND THE LAST ITEM IS FOLLOWED BY A SPACE 4,10 CARD.

## 2.3 PROGRAM.LEVEL.DOCUMENTATION

EVERY PROGRAM CONTAINS COMMENT CARDS WHICH MAKE UP THE PROGRAM LEVEL DOCUMENTATION (AS DEFINED IN THIS SECTION). THIS LEVEL OF DOCUMENTATION MAY BE USED WITH THE PROGRAM LISTING OR WITHOUT IT (USING EXTRACTED DOCUMENTATION PRODUCED BY A DOCUMENTATION PROCESSOR). EVEN WITHOUT THE LISTING, THE PROGRAM LEVEL DOCUMENTATION SATISFIES THE DESIGN OVERVIEW, EXTERNAL INTERFACE

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AND INTERNAL OPERATION DOCUMENTATION NEEDS DISCUSSED IN SECTION 2.1.

### 2.3.1 OVERVIEW

THE OVERVIEW DOCUMENTATION IS PLACED IMMEDIATELY FOLLOWING THE COMPASS GROUP 1 INSTRUCTIONS AND BEFORE ANY OTHER DOCUMENTATION, MACRO DEFINITIONS OR EXECUTABLE CODE (SEE SECTION 3.2). IT CONSISTS OF AN OVERVIEW CARD (SEE SECTION 2.2.3) HHICH CONTAINS THE PROGRAM NAME AND A BRIEF DESCRIPTION OF THE PROGRAM, AND ADDITIONAL COMMENT CARDS WHICH CONTAIN THE FOLLOWING ITEMS OF DATA (SEE SECTION 2.6 FOR THE LAYOUT OF THESE ITEMS):

- . NAME OF AUTHOR AND DATE WRITTEN (YY/MM/DD).
- . NAMES OF AUTHORS OF MAJOR MODIFICATIONS. WITH DATES.
- . TEXT OF OVERVIEW OF PROGRAM.

THE TEXT OF THE OVERVIEW SHOULD FOLLOW THE GENERAL DEFINITION OF DESIGN OVERVIEW DOCUMENTATION IN SECTION 2.1. THE OBJECTIVE IS TO DESCRIBE THE FUNCTION OF THE PROGRAM IN GENERAL TERMS.

#### 2.3.2 EXTERNAL

THE EXTERNAL DOCUMENTATION IS PLACED IMMEDIATELY FOLLOWING THE OVERVIEW DOCUMENTATION AND BEFORE ANY INTERNAL DOCUMENTATION, MACRO DEFINITIONS OR EXECUTABLE CODE (SEE SECTION 3.2). IT CONSISTS OF AN EXTERNAL DOCUMENTATION CARD (SEE SECTION 2.2.3) AND ADDITIONAL COMMENT CARDS WHICH TOGETHER CONTAIN THE FOLLOWING ITEMS OF DATA (SEE SECTION 2.6 FOR THE LAYOUT OF THESE ITEMS):

- . DETAILED DESCRIPTION OF FUNCTIONS AND OPTIONS.
- ENTRY CONDITIONS, INCLUDING PARAMETERS AND INITIAL CONDITIONS OF BUFFERS AND EXTERNAL TABLES.
- . FORMAT OF THE CONTROL CARD CALL.
- . EXIT CONDITIONS, INCLUDING STATUS BITS AND FIELDS RETURNED.
- ERRORS DETECTED, ERROR CODES RETURNED, INCLUDING SUBSEQUENT ACTION TAKEN FOR EACH.
- . SYSTEM ERRORS DETECTED AND SUBSEQUENT ACTION TAKEN.
- . OTHER PROGRAMS CALLED.
- . MESSAGES ISSUED (INCLUDING DAYFILE AND OPERATOR).

THE CONTENT OF THIS SECTION FOLLOWS THE GENERAL DEFINITION OF EXTERNAL INTERFACE DOCUMENTATION IN SECTION 2.1. THE OBJECTIVE IS TO SUPPLY INFORMATION REQUIRED BY A POTENTIAL USER OF THE PROGRAM.

# 2.3.3 INTERNAL

THE INTERNAL DOCUMENTATION DESCRIBES THE INTERNAL WURKINGS OF THE PROGRAM. IT MAY BE DISPERSED THROUGHOUT A PROGRAM AS DESIRED, HOWEVER A MAJOR PORTION APPEARS IMMEDIATELY FOLLOWING THE EXTERNAL DOCUMENTATION. INTERNAL DOCUMENTATION CONSISTS OF AN INTERNAL DOCUMENTATION CARD (SEE SECTION 2.2.3) AND ADDITIONAL COMMENT CARDS WHICH TOGETHER CONTAIN THE FOLLOWING ITEMS OF DATA (SEE SECTION 2.2.4 FOR THE LAYOUT OF THESE ITEMS):

- . SYSTEM TEXTS REQUIRED FOR ASSEMBLY (OTHER THAN DEFAULT).
- . DIRECT CELL USAGE (PPU PROGRAMS).
- . GLOBAL REGISTER ASSIGNMENTS (CPU PROGRAMS).
- . DATA AREAS AND TABLE FORMATS.
- . MEMORY MAP (IF OVERLAYS ARE USED).

OTHER ITEMS TO BE INCLUDED IF APPLICABLE ARE:

- . TECHNIQUES OR ALGORITHMS EMPLOYED WHERE NOT OBVIOUS.
- . TIMING CONSIDERATIONS.
- . INTERLOCK CONSIDERATIONS.
- KNOWN LIMITATIONS TO PERFORMANCE OR EXTENSIBILITY. SUCH AS TIMING OF LOOPS, CORE SIZE, ERROR-RECOVERY DEFICIENCIES.

ANY OTHER INFORMATION WHICH WOULD AID SOMEONE IN UNDERSTANDING THE INTERNAL WORKINGS OF THE PROGRAM IS ALSO PROVIDED. INCLUDING LOGICAL FLOW, STRUCTURE, AND PITFALLS TO REDESIGN.

# 2.4 SUBROUTINE.LEVEL.DOCUMENTATION

THE HEADING OF ANY SUBROUTINE CONSISTS OF COMMENT CARDS GIVING A BRIEF DESCRIPTION OF ITS FUNCTION, ITS ENTRY AND EXIT CONDITIONS, REGISTER OR DIRECT CELL USAGE AND INTERNAL WORKINGS. THE INFORMATION CONTAINED SHOULD BE ON A LEVEL INDICATED BY THE COMPLEXITY OF THE SUBROUTINE. THE FOLLOWING ITEMS OF DATA SHOULD BE INCLUDED ISEE SECTIONS 2.6.2 AND 2.6.3 FOR THE LAYOUT OF THESE ITEMS):

- . TITLE CARD WITH NAME AS SUBTITLE (PRIMARY SUBROUTINE)
- . SPACE CARD (SEE SECTION 3.6.3)
- . INTERNAL COMMENT CARD GIVING NAME AND TITLE OF SUBROUTINE
- . ENTRY CONDITIONS (LIST)
- . EXIT CONDITIONS (LIST)
- . REGISTER OR DIRECT CELL USAGE (LIST)
- . ROUTINES CALLED (LIST)
- . MACROS CALLED (LIST)
- . DESCRIPTION OF ALLOCATED REGISTERS
- . TIMING CONSIDERATIONS, IF CRITICAL
- . DESIGN. IMPLEMENTATION AND GENERAL INFORMATION
- . THO BLANK CARDS

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THE TITLE OF THE SUBROUTINE SHOULD DESCRIBE THE ACTION PERFORMED BY THE SUBROUTINE (FOR EXAMPLE, POSITION MASS STORAGE, MAKE QUEUE ENTRY). THIS MEANS THAT TITLES SHOULD ALWAYS CONTAIN A VERB. TITLES WITHOUT VERBS SHOULD BE USED FOR GROUPS OF SUBROUTINES AND COMSXXX DECKS.

DEFINED FORMATS EXIST FOR THE LIST OF ITEMS IN THE SUBROUTINE HEADING. A KEYWORD APPEARS IN COLUMN 11, FOLLOWED BY TEXT IN COLUMN 18. THE TEXT IS SIMPLY A LIST, RATHER THAN COMPLETE SENTENCES. ANY LIST REQUIRING MORE THAN ONE CARD IS CONTINUED BEGINNING IN COLUMN 18 (OR BEYOND) OF THE NEXT COMMENT CARD. THE FORMATS ARE SHOWN BELOW. EACH LIST ENDS WITH A PERIOD.

**ENTRY** ENTRY CONDITIONS. EXIT EXIT CONDITIONS. USES REGISTER OR DIRECT CELLS DESTROYED. CALLS ROUTINES CALLED. MACROS MACROS CALLED. DEFINE LIST OF ALLOCATABLE REGISTERS. TIMING DESCRIPTION OF TIMING CONSIDERATIONS. NOTES PROGRAMMING INFORMATION.

DOCUMENTATION FOR COMMON DECKS AND ZERO LEVEL OVERLAYS SHOULD INCLUDE SUBROUTINE LEVEL DOCUMENTATION WHERE APPROPRIATE.

### 2.4.1 ENTRY CONDITIONS

ENTRY CONDITIONS MAY INCLUDE THE FOLLOWING ITEMS:

- REGISTERS, DIRECT CELLS OR MEMORY LOCATIONS THAT MUST BE SET BEFORE THE SUBROUTINE IS CALLED.
- LOGICAL STATUS OF CHANNELS, FILES, ETC., (IE. CHANNELS RESERVED, FILES SET BUSY, DISK POSTIONED, FILES POSITIONED) THAT SHOULD EXIST BEFORE THE SUBROUTINE IS CALLED.

ONLY ONE ENTRY CONDITION MAY BE SPECIFIED PER LINE. FOR PPU CODE, THE CONTENTS OF THE A REGISTER SHOULD BE DESCRIBED FIRST.

### 2.4.2 EXIT CONDITIONS

EXIT CONDITIONS INCLUDE THE FOLLOWING ITEMS:

- REGISTERS, DIRECT CELLS OR MEMORY LOCATIONS THAT MAY BE USED BY SUBSEQUENT ROUTINES.
- LOGICAL STATUS OF CHANNELS, FILES, ETC., (IE. CHANNELS RESERVED, FILES SET BUSY, DISK POSITIONED, FILES POSTIONED) THAT EXIST WHEN THE SUBROUTINE IS EXITED.
- SPECIAL TERMINATIONS OF THE SUBROUTINE SUCH AS JUMPS TO ERROR PROCESSORS OR TO ANY OTHER ROUTINES. THE LABEL BEING

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JUMPED TO AND THE CONDITIONS THAT CAUSE THE SPECIAL EXIT SHOULD BE DOCUMENTED.

ONLY ONE EXIT CONDITION IS LISTED PER LINE. FOR PPU CODE, THE CONTENTS OF THE A REGISTER SHOULD BE DESCRIBED FIRST.

# 2.4.3 REGISTER OR DIRECT CELL USAGE

REGISTERS OR DIRECT CELLS USED INCLUDE ALL REGISTERS OR DIRECT CELLS DESTROYED BY THAT SUBROUTINE ONLY.

FOR CPU CODE, THE FORMAT OF THE USES BLOCK INCLUDES A REGISTER TYPE (X - OPFRAND REGISTER, A - ADDRESS REGISTER, B - INDEX REGISTER) FOLLOWED BY A SEQUENCE OF ASCENDING NUMBERS INDICATING THE REGISTERS USED.

**EXAMPLE:** 

X - 0, 1, 6.

A - 1, 6.

8 - 3, 7.

INDICATES THE FOLLOWING REGISTERS ARE USED:

XO, XI, X6, A1, A6, B3, B7.

FOR PPU CODE, SINGLE DIRECT CELLS ARE LISTED IN ALPHABETICAL ORDER FOLLOWED BY MULTIPLE DIRECT CELLS LISTED IN ALPHABETICAL ORDER.

**EXAMPLE:** 

T1, T2, T5, CH - CH+4, RI - RI+1.

THE DIRECT CELL AT PPU MEMORY LOCATION O (TO) IS ASSUMED TO BE USED BY EVERY SUBROUTINE UNLESS OTHERWISE STATED IN THE ENTRY/EXIT CONDITIONS. THIS IS BECAUSE CERTAIN INSTRUCTIONS, SUCH AS CRM AND CWM, DESTROY LOCATION ZERO.

### 2.4.4 ROUTINES CALLED

ROUTINES CALLED BY A SUBROUTINE INCLUDE ALL SUBROUTINES AND OVERLAYS THAT ARE EXPLICITLY CALLED. ROUTINES CALLED BY MACROS ARE NOT TO BE INCLUDED.

# 2.4.5 MACROS CALLED

MACROS CALLED INCLUDE ALL MACROS THAT ARE EXPLICITLY CALLED BY A SUBROUTINE.

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### 2.4.6 ALLOCATED REGISTERS OR DIRECT CELLS

ALLOCATED REGISTERS ARE REGISTERS (OR DIRECT CELLS FOR PPU CODE) USED FOR WELL DEFINED ITEMS THROUGHOUT A PARTICULAR SUBROUTINE OR PROGRAM.

#### 2.4.7 TIMING CONSIDERATIONS

TIMING CONSIDERATIONS SHOULD DESCRIBE ANY TIMING LIMITATIONS THAT ARE IMPOSED ON THE SUBROUTINE BECAUSE OF HARDWARE OR PERFORMANCE CONSTRAINTS. CARE SHOULD BE TAKEN TO EXPRESS UNITS OF TIME IN A MANNER INDEPENDENT OF MACHINE TYPE. FOR EXAMPLE, UNITS OF TIME EXPRESSED IN CYCLES RATHER THAN MICROSECONDS IS MORE DESIRABLE. THIS IS BECAUSE THE SAME ROUTINE MAY EXECUTE FASTER OR SLOWER THAN STATED DEPENDING ON THE TYPE OF THE PPU OR CPU IT EXECUTES IN.

### 2.4.8 NOTES

THIS SECTION DOCUMENTS DESIGN, IMPLEMENTATION AND GENERAL INFORMATION THAT MAY BE USEFUL TO OTHER ANALYSTS. INFORMATION IN THIS SECTION PERTAINS TO THE SUBROUTINE ONLY.

### 2.5 CODE.LEVEL.DOCUMENTATION

ALL DOCUMENTATION WHICH IS NOT DESCRIBED IN ONE OF THE PRECEDING SECTIONS OF THIS DOCUMENT FALLS INTO THE CATEGORY OF CODE LEVEL DOCUMENTATION. THE REQUIREMENTS FOR THIS TYPE OF DOCUMENTATION VARY WIDELY, SO FEM RULES CAN BE STATED; HOWEVER, CODE LEVEL DOCUMENTATION IS NECESSARY AND THE LACK OF EXPLICIT REQUIREMENTS MUST NOT LEAD TO ITS NEGLECT.

CODE LEVEL DOCUMENTATION, ALONG WITH THE SUBROUTINE HEADINGS, MUST SATISFY THE NEED FOR AID IN READING THE CODE. ITS CONTENT FOLLOWS THE GUIDELINES FOR DETAILED CODE ANALYSIS IN SECTION 2-1-4.

### 2.5.1 STAND-ALONE COMMENTS

STAND-ALONE COMMENTS ARE COMMENT CARDS APPEARING IN-LINE WITH CODE, AS OPPOSED TO WITHIN-HIGHER-LEVEL DOCUMENTATION PREVIOUSLY DEFINED. ALL STAND-ALONE COMMENTS ARE PRECEDED AND FOLLOWED BY ONE BLANK CARD.

STAND-ALONE COMMENTS DESCRIBE THE FUNCTION PERFORMED BY THE SUBSEQUENT SECTION OF IN-LINE CODE. THE COMMENTS ARE COMPLETE ENGLISH SENTENCES WITH CORRECT PUNCTUATION, ENDING WITH A PERIOD. THE COMMENTS REFER TO FUNCTIONS AND DATA IN EXTERNAL TERMS, RATHER THAN ONLY IN OCTAL NUMBERS AND BIT POSITIONS. THESE COMMENTS FOLLOW THE GENERAL REQUIREMENTS FOUND IN SECTION 2.2.

# 2.5.2 EMBEDDED COMMENTS

EMBEDDED COMMENTS ARE COMMENTS IN COLUMNS 30-71 OF A CARD ASSEMBLED BY COMPASS, NOT A COMMENT CARD. THE COMMENT NEED NOT BE A COMPLETE SENTENCE. THIS TYPE OF COMMENT IS NEVER CONTINUED ONTO ANOTHER CARD. IF THE INTENDED COMMENT IS TOO LONG TO FIT ON THE SINGLE CARD, IT IS INSERTED AS A STAND-ALONE COMMENT PRECEDING THE AREA OF CODE TO WHICH IT APPLIES.

AN EMBEDDED COMMENT DESCRIBES THE FUNCTION OF THE INSTRUCTION OR SEQUENCE OF INSTRUCTIONS ON WHICH IT APPEARS. (IT MUST BE AT THE BEGINNING OF THE SEQUENCE.) IT DOES NOT DESCRIBE THE HARDWARE OPERATION BEING PERFORMED, BUT RATHER ITS MEANING IN THE CONTEXT OF THE FUNCTION TO BE PERFORMED BY THE PROGRAM.

AN EMBEDDED COMMENT IS REQUIRED ON EACH JUMP INSTRUCTION, TO IDENTIFY THE CONDITION BEING TESTED (CONDITIONAL JUMPS) OR THE ACTION BEING TAKEN (UNCONDITIONAL JUMPS). ON JUMP INSTRUCTIONS, THE WORD "JUMP" IS SUPERFLUOUS, AND IS NOT USED. ON CONDITIONAL JUMPS, THE COMMENT BEGINS WITH THE WORD "IF" AND DESCRIBES THE CONDITION ON WHICH THE JUMP WILL BE EXECUTED. THESE COMMENTS FOLLOW THE GENERAL REQUIREMENTS FOUND IN SECTION 2.2.

AN EMBEDDED COMMENT IS REQUIRED ON ALL PSEUDO TESTS (ERRNZ, ERRPL, ETC.). THE COMMENT SHOULD STATE THE CONDITION FOR WHICH THE TEST FAILS.

## 2.6 DOCUMENTATION.EXAMPLES

THESE EXAMPLES ARE STATEMENTS OF THE STANDARD AND ARE INTENDED AS FURTHER CLARIFICATION OF THE REQUIRED PROCEDURES.

### 2.6.1 PROGRAM LEVEL

```
***** LIBEDIT - LIBRARY EDITING PROGRAM.
       A. B. ORIGINAL.
                                74/01/01.
       A. B. MODIFIER.
                                75/01/01.
       C. D. MODIFIER.
                                76/01/01.
       LIBEDIT IS A GENERAL PURPOSE FILE EDITING
       PROGRAM CAPABLE OF MODIFYING AND
       GENERATING LIBRARY FILES.
       SPACE 4,10
       LIBEDIT IS A GENERAL PURPOSE FILE EDITING
+++
       PROGRAM CAPABLE OF MODIFYING AND
       GENERATING LIBRARY FILES.
       SPACE
                4.10
...
       CONTROL CARD CALL.
       SPACE 4,10
+++
       DAYFILE MESSAGES.
       SPACE
                 4,10
***
       ACCOUNT MESSAGES.
       SPACE
                 4,10
***
       ERRLOG MESSAGES.
       SPACE
                 4.10
+++
       OPERATOR MESSAGES.
       SPACE
                 4,10
****
       ASSEMBLY CONSTANTS.
BUFL.
       EQU
                 1001B
                                OUTPUT BUFFER LENGTH
****
```

# 2.6.2 SUBROUTINE LEVEL (PP CODE)

			ESSING ROUTINES.	
LEM		4,20		
* *	LEM - LI	IST ERROR MES	SAGE.	
*				
*	ENTRY	(A) = 1 IF	SINGLE BIT SECDED ERROR.	
•			STATUS/CONTROL REGISTER	
•			ROR LIMIT.	
•			RA+20) - SCR IHAGE.	
•			RESS OF NEXT LIST ENTRY.	
*		THE! - ADD	WE33 OF MEXI F121 ENIKA.	
•	EXIT	/NI 1 - 1100	ATED LIST POINTER.	
Ĭ	CVII		The second second	
Ĭ		IU TEKKT I	F ERROR ENCOUNTERED.	
Ĭ	USES	T1 T1 00		
Ĭ	0352	11, 12, CM	- CH+4. FN - FN+4.	
Ĭ	CALLS			
Ĭ	CALLS	LMC.		
Ĭ	#4CDOC	H044700 0		
I	MACROS	MONITOR, S	UBK.	
Ĭ	DEETHE			
Ĭ	DEFINE	(12) = FWA	OF MESSAGE.	
•				
	TIMING		NEEDED TO AVOID FILLING THE	Ē
*		DISK WITH	ERRLOG MESSAGES.	
LEM	SUBR		ENTRY/EXIT	
	•			
	•			
	•			
	NLU	LEMX	RETURN	

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# 2.6.3 SUBROUTINE LEVEL (CP CODE)

ACS	SPACE ACS - AS		ACTER STRING.	
*	ENTRY		IA OF CHARACTER STRING. ENGTH OF STRING BUFFER.	
•	EXIT	(CBUF - C	BUF+20) = CHARACTER STRING	
	USES	X - 0, 1, A - 1, 6. B - 6, 7.		
•	CALLS	MCI.		
•	MACROS	SUBR.		
*	DEFINE	(XO) - CH	IARACTER MASK.	
ACS	SUBR		ENTRY/EXIT	
	•			
	EQ	ACSX	RETURN	

#### 3.0 CODING

## 3.1 CARD/LINE.LAYOUTS

### 3.1.1 COMPASS OPERATION CARDS

THE FOLLOWING LIST OF COLUMN NUMBERS REPRESENT THE BEGINNING OF EACH FIELD IN A COMPASS CUDING CARD OR LINE. (AN EXCEPTION IS ALLOWED FOR MACRO DEFINITIONS IN SYSTEM TEXTS WHERE SPACE IS CRITICAL.)

COLUMN 2 - LOCATION FIELD

COLUMN 11 - OPERATION FIELD

COLUMN 18 - ADDRESS FIELD

COLUMN 30 - COMMENT FIELD

COLUMN 73 - RESERVED

IF A FIELD IS FULL OR OVERFLOWS INTO AN ADJACENT FIELD. THEN TWO SPACES SHOULD SEPARATE THE FIELDS. COLUMN 72 OF THE COMMENT FIELD SHOULD ALWAYS BE BLANK.

# 3.1.2 COMPASS COMMENT CARDS

THE FOLLOWING LIST OF CULUMN NUMBERS REPRESENT THE FORMAT OF A COMMENT CARD. A FULL DESCRIPTION OF WHERE AND HOW TO USE COMMENT CARDS IS FOUND IN SECTION 2.

COLUMN 1 = ALWAYS CONTAINS AN ASTERISK

COLUMN 2-5 = (SEE SECTION 2.2.3)

COLUMN 6-10 = ALHAYS BLANK

COLUMN 11-72 - CONTAINS THE TEXT OF THE COMMENT

COLUMN 73-80 - RESERVED

### 3.2 PROGRAM.LAYOUT

THE FOLLOWING SECTIONS DEFINE THE COMPONENTS OF A PROGRAM IN THE ORDER THEY APPEAR WITHIN THE PROGRAM. IT IS NOT EXPECTED OR REQUIRED THAT EVERY PROGRAM WILL CONSIST OF ALL COMPONENTS DESCRIBED. IN THIS DISCUSSION A "PROGRAM" IS A RELOCATABLE PROGRAM UNIT (FROM "IDENT" TO "END"), AN ENTIRE ABSOLUTE PROGRAM OR A COMMON DECK. A SUBROUTINE IS A CLOSED ROUTINE WITHIN A PROGRAM.

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# 3.2.1 GROUP 1 INSTRUCTIONS

GROUP 1 INSTRUCTIONS APPEAR AT THE BEGINNING OF EACH PROGRAM AND CONTAIN THE IDENTIFICATION AND ENVIRONMENT INFORMATION FOR THE PROGRAM. THE FOLLOWING EXAMPLES DEFINE THE LAYOUT OF THE GROUP 1 INSTRUCTIONS FOR EACH TYPE OF PROGRAM.

### 3.2.1.1 PERIPHERAL PROCESSOR PROGRAMS

IDENT XXX, DRIGIN MACHINE (OPTIONAL) PERIPH NOLABEL (DEADSTART ROUTINES) BASE М LIST (OPTIONAL) SST XXX - PROGRAM DESCRIPTION. TITLE \*COMMENT PROGRAM DESCRIPTION. (NOS ONLY) COMMENT PROG. DESC. (NOS/BE ONLY) COMMENT COPYRIGHT CONTROL DATA CORPORATION. YEAR. XXX SPACE 4,10

# 3.2.1.2 CENTRAL PROCESSOR PROGRAMS

IDENT XXXXXXX.FWA ABS (OPTIONAL) MACHINE (OPTIONAL) LCC (OPTIONAL) SST (OPTIONAL) ENTRY XXXX (OPTIONAL) SYSCOM **B** 1 LIST (OPTIONAL) TITLE XXX - PROGRAM DESCRIPTION. \*COMMENT PROGRAM DESCRIPTION. (NOS ONLY) COMMENT PROG. DESC. (NOS/BE ONLY) COMMENT COPYRIGHT CONTROL DATA CORPORATION. YEAR. SPACE 4.10

## 3.2.1.3 COMMON DECKS

XXX

CTEXT XXXXXXX - COMMON DECK DESCRIPTION. SPACE 4,10 1F -DEF, QUALS, 1 QUAL XXXXXXX BASE (X=ANY LEGAL VALUE) CODE (OPTIONAL) COMMENT COPYRIGHT CONTROL DATA CORPORATION. YEAR. XXX SPACE 4.10

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REFER TO SECTION 4.4.3 FOR FURTHER INFORMATION ON QUALIFICATION OF COMMON DECKS.

### 3.2.2 PROGRAM LEVEL DOCUMENTATION

PROGRAM LEVEL DOCUMENTATION CONSISTS OF OVERVIEW, EXTERNAL AND INTERNAL DOCUMENTATION AS DESCRIBED IN SECTION 2.3.

### 3.2.3 MACRO DEFINITIONS

THE MACROS ARE IN ALPHABETICAL ORDER. COMMON DECKS WHICH DEFINE MACROS SHOULD BE INCLUDED BEFORE LOCAL MACRO DEFINITIONS IN ALPHABETICAL ORDER.

### 3.2.4 INSTALLATION SYMBOL DEFINITIONS

INSTALLATION SYMBOLS ARE PARAMETERS THAT MAY BE CHANGED BY A SITE WHEN INSTALLING A PRODUCT. THESE SYMBOLS MAY INCLUDE BUFFER LENGTHS, DEFAULT VALUES, AND TIMING DELAYS. INSTALLATION SYMBOLS ARE DEFINED IN ALPHABETICAL ORDER UNLESS FUNCTIONAL ORDER IS MORE MEANINGFUL. THE INSTALLATION SYMBOL DEFINITION AREA SHOULD BE BRACKETED BY INTERNAL BRACKET CARDS (\*\*\*\*).

### 3.2.5 LOCAL SYMBOL DEFINITIONS

LOCAL SYMBOLS ARE PARAMETERS THAT SHOULD NOT BE CHANGED BY AN INSTALLATION. THESE SYMBOLS MAY INCLUDE CODE GENERATION SYMBOLS (QUALS, DBIS, ETC.) AND SYMBOLS USED FOR CROSS REFERENCE PURPOSES. LOCAL SYMBOLS ARE DEFINED IN ALPHABETICAL ORDER, UNLESS FUNCTIONAL ORDER IS MORE MEANINGFUL.

### 3.2.6 GLOBAL MEMORY DEFINITIONS

THIS SECTION OF THE PROGRAM IS USED TO DEFINE MEMORY THAT IS PRESET WITH DATA. THIS SECTION MAY INCLUDE FETS, TABLES, AND WORKING STORAGE. GLOBAL MEMORY DEFINITIONS ARE DEFINED IN ALPHABETICAL ORDER UNLESS FUNCTIONAL ORDER IS MORE MEANINGFUL.

# 3.2.7 MAIN LOOP

THIS SECTION OF THE PROGRAM CONTAINS THE MAJOR LOGIC AND CONTROL FLOW FOR THE PROGRAM AND INTERNAL DOCUMENTATION FOR THAT FLOW (SEE SECTION 2.4).

### 3.2.8 PRIMARY SUBROUTINES

THIS SECTION OF THE PROGRAM CONTAINS THE SUBROUTINES WHICH ARE OF MAJOR IMPORTANCE TO THE PROGRAM. THEY SHOULD BE IN ALPHABETICAL ORDER UNLESS THERE IS A LOGICALLY ASSOCIATED SET OF SUBROUTINES WHICH INTERACT TOGETHER (IN WHICH CASE THESE SUBROUTINES MAY BE GROUPED TOGETHER). EACH SUBROUTINE CONTAINS DOCUMENTATION AS DESCRIBED IN SECTION 2.4.

#### 3.2.9 SECONDARY SUBROUTINES

THIS SECTION OF THE PROGRAM CONTAINS SUBROUTINES OF MINOR IMPORTANCE TO THE PROGRAM. THEY SHOULD BE IN ALPHABETICAL ORDER UNLESS THERE IS A LOGICALLY ASSOCIATED SET OF SUBROUTINES WHICH INTERACT TOGETHER (IN WHICH CASE THESE SUBROUTINES MAY BE GROUPED TOGETHER). A TITLE CARD WITH THE SUBTITLE "SECONDARY SUBROUTINES" PRECEDES THE FIRST SECONDARY SUBROUTINE. EACH SUBROUTINE CONTAINS DOCUMENTATION AS DESCRIBED IN SECTION 2.4.

COMMON DECKS (EXCEPT THOSE USED FOR INITIALIZATION) ARE AFTER THE SECONDARY SUBROUTINES. COMMON DECKS SHOULD BE LISTED IN ALPHABETICAL ORDER WHENEVER POSSIBLE.

### 3.2.10 WORKING STORAGE AND BUFFERS

THIS SECTION OF THE PROGRAM CONTAINS WORKING STORAGE AND BUFFER DEFINITIONS THAT ARE NOT PRESET WITH DATA. BUFFER DEFINITIONS SHOULD BE DEFINED WITH EQU INSTRUCTIONS. (REFER TO SECTION 3.4.5)

### 3.2.11 INITIALIZATION CODE

CODE WHICH MAY BE OVERLAYED AFTER PROGRAM INITIALIZATION IS INCLUDED HERE.

# 3.2.12 PROGRAM TERMINATION

ALL PROGRAMS END WITH AN "END" STATEMENT EXCEPT COMMON DECKS WHICH END AS FOLLOWS:

	BASE	•				
	CODE	•	COPTIONAL	IF C	BDE	USED)
QUALS	IF	-DEF,QUALS				
	QUAL	•				
XXX	EQU	/xxxxxxx/xxx	(UNQUALIFI	ED E	NTRY	POINT
	•					
	•					
	•					
QUAL 1	ENDIF					
XXX	ENDX					

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IF \*CODE X\* IS USED AT THE BEGINNING BUT \*CODE \*\* IS NOT USED AT THE END OF A COMMON DECK, IT MUST BE EXPLICITLY DUCUMENTED IN THE COMMON DECK HEADER.

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## 3.3 INSTRUCTION.USE..EORMAT.AND.BARAMETERS

### 3.3.1 REGISTER USE AND SPECIFICATION

### 3.3.1.1 BO REGISTER USE

THE BO REGISTER SHOULD NOT BE SPECIFIED IN INSTRUCTIONS WHICH TEST B REGISTERS. THE ASSEMBLER ASSUMES BO IF THE REQUISITE NUMBER OF B REGISTERS IS NOT SPECIFIED.

### 3.3.1.2 B1 REGISTER USE

THE B1 REGISTER MUST ALWAYS CONTAIN THE VALUE ONE (1). THE "SYSCOM B1" MACRO IS INCLUDED IN EACH PROGRAM TO INDICATE THAT B1 WILL CONTAIN THIS VALUE. B1 MUST BE SET TO 1 IMMEDIATELY UPON PROGRAM ENTRY. B1 IS THEN USED BY COMPASS IN CONJUNCTION WITH THE R- PSUEDO INSTRUCTION TO GENERATE 15 BIT INSTRUCTIONS RATHER THAN 30 BIT INSTRUCTIONS.

### 3.3.1.3 PACK AND NOMINAL SHIFT X REGISTERS

IN THE PACK AND NOMINAL SHIFT INSTRUCTIONS, THE X REGISTER IS SPECIFIED BEFORE THE B REGISTER, AS FOLLOWS:

PXI XK.BJ

LXI XK.BJ

### 3.3.1.4 UNPACK AND NORMALIZE X REGISTERS

IN THE UNPACK AND NORMALIZE INSTRUCTIONS, THE B REGISTER IS SPECIFIED IN THE OPCODE FIELD IMMEDIATELY FOLLOWING THE OPCODE.

UXI.BJ XK

NXI,BJ XK

## 3.3.2 MULTIPLE LOGICAL TESTS

WHEN A PPU PROGRAM TESTS A VALUE IN THE A-REGISTER FOR EQUALITY WITH SEVERAL POSSIBLE VALUES, IT IS DONE WITH A SEQUENCE OF LOGICAL DIFFERENCE (EXCLUSIVE \*OR\*) OPERATIONS, AS FOLLOWS:

LMC	AA			
ZJN	XYZ12	IF	TYPE	AA
LMC	BBEAA			
NLS	XYZ24	IF	TYPE	88
LMC	CCEBB			
ZJN	XYZ36	IF	TYPE	CC

THE VALUE BEING TESTED IS SPECIFIED FIRST IN THE LMC.

# 3.3.3 SHIFT INSTRUCTION PARAMETERS

SHIFT COUNTS IN SHIFT INSTRUCTIONS WHICH ARE USED TO TEST BITS, ARE CODED IN ONE OF THE FOLLOWING FORMS:

A-B (FIRST SHIFT OF A WORD)

A-B-AA+BB+M (NEXT SHIFT OF THE WORD)

WHERE:

A -THE DESIRED POSITION OF A BIT IN THE WORD.

B -THE ORIGINAL POSITION OF A BIT IN THE WORD (BEFORE ANY SHIFTS).

AA.BB.THE A AND 8 PARAMETERS FROM THE PREVIOUS SHIFT OF THIS WORD.

M -MODULUS VALUE

NOTE: THE MODULUS VALUES (60 FOR CPU AND 22B FOR PPU) MAY HAVE TO BE ADDED TO THE SHIFT VALUE IF THE RESULTING VALUE IS NOT WITHIN THE LEGAL LIMITS FOR THE INSTRUCTION.

**EXAMPLE:** 

1. TO SHIFT BIT 47 TO BIT 59:

LXI 59-47

2. TO SHIFT THE RESULT OF EXAMPLE 1 SO THAT BIT 32 OF THE ORIGINAL REGISTER (BEFORE ANY SHIFTS) IS IN BIT 59 OF THE RESULT:

LXI 59-32-59+47

3. TO SHIFT THE RESULT OF EXAMPLE 2 SO THAT BIT 58 OF THE ORIGINAL REGISTER (BEFORE ANY SHIFTS) IS IN BIT 59 OF THE RESULT:

LXI 59-58-59+32

**EXAMPLE:** 

1. TO SHIFT BIT 2 TO BIT 21:

SHN 21-2

2. TO SHIFT THE RESULT OF EXAMPLE 1 SO THAT BIT 5 OF THE ORIGINAL REGISTER (BEFORE ANY SHIFT) IS IN BIT 21 OF THE RESULT:

SHN 21-5-21+2+22

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A MODULUS OF 220 IS NEEDED IN THIS CASE TO AVOID EXECUTING A RIGHT SHIFT (IE. THE RESULTANT SHIFT WOULD OTHERWISE BE NEGATIVE.)

### 3.3.4 BOOLEAN MASK USAGE

THE MASK CREATED FOR USE IN BOOLEAN INSTRUCTIONS DEPENDS ON WHETHER THE FIELD OF BITS TO BE EXTRACTED IS IN THE LEFT OR RIGHT HAND PART OF THE WORD. IF THE FIELD OF N BITS IS IN THE LEFT HAND PART OF THE WORD. USE THE FOLLOWING METHOD:

MXI N

BXJ XI\*XK (XJ CONTAINS THE EXTRACTED FIELD)

IF THE FIELD OF N BITS IS IN THE RIGHT HAND PART OF THE WORD, THE FOLLOWING METHOD IS USED:

MXI -N

BXJ -XI\*XK (XJ CONTAINS THE EXTRACTED FIELD)

IF THE MASK IS USED IN MORE THAN ONE WAY, THE FIRST USE DETERMINES HOW IT IS DEFINED.

## 3.3.5 RELATIVE ADDRESSING

RELATIVE ADDRESSING (SUCH AS \*+N AND \*-N, WHERE N IS A NUMERIC VALUE) SHOULD NOT BE USED EXCEPT:

- 1. IN TIMING DELAYS (WHERE +-1 IS THE ONLY ACCEPTABLE VALUE).
- 2. FOR INSTRUCTION MODIFICATION (WHERE +-1 OR +-2 ARE THE ONLY ACCEPTABLE VALUES).
- 3. IN PPU CODE TO REFERENCE BYTES WITHIN A CPU WORD. THE RELATIVE ADDRESS MUST BE IN ONE OF THE FOLLOWING FORMS:

TAG+N TAG+C\*5+N

WHERE:

TAG - BASE ADDRESS
C - CM WORD WITHIN THE PP BUFFER
N - BYTE WITHIN THE CM WORD (0 - 4)

## 3.3.6 JUMP INSTRUCTION USE

UNCONDITIONAL JUMPS IN CPU CODE ARE CODED USING THE EQ INSTRUCTION SO THAT THE INSTRUCTION STACK IS NOT VOIDED. WHEN IT IS NECESSARY TO VOID THE INSTRUCTION STACK THE RJ INSTRUCTION IS USED. (THE RJ IS THE ONLY INSTRUCTION WHICH VOIDS THE STACK ON ALL CENTRAL PROCESSORS.)

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A BLANK CARD IS INSERTED AFTER EACH UNCONDITIONAL JUMP INSTRUCTION TO INDICATE A BREAK IN THE PROGRAM FLOW. IF THE UNCONDITIONAL JUMP OCCURS AT THE END OF A SUBROUTINE, A SPACE CARD OR TITLE CARD MAY BE USED.

A BLANK CARD IS ALSO REQUIRED AFTER AN IMPLIED UNCONDITIONAL JUMP. THE FOLLOWING ARE EXAMPLES OF AN IMPLIED UNCONDITIONAL JUMP.

## **EXAMPLE:**

A BLANK CARD SHOULD BE INSERTED AFTER MACRO CALLS THAT BREAK THE FLOW OF EXECUTION IN A SEQUENCE OF CODE.

NZ X1.TAG2 IF COMMENT
ABORT
(BLANK CARD)
TAG2 SA1 B2

## **EXAMPLE:**

WHEN CODE OCCURS BEFORE THE SUBR, THERE SHOULD BE A BLANK CARD BETWEEN THE CODE AND THE SUBR.

TAGI	LDN	0	COMMENT
	( BL ANK	CARDI	
TAG	SUBR		ENTRY/EXIT
	•		
	•		
	•		
	NLU	TAGX	RETURN

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### 3.3.7 SUBROUTINE ENTRY

EACH SUBROUTINE HAS ONE AND ONLY ONE ENTRY POINT. EXCEPTIONS ARE ALLOWED AS FOLLOWS:

IF MEMORY LIMITATIONS IN A PPU PROGRAM MAKE THIS IMPRACTICAL.

FOR TERMINAL SUBROUTINES (SUCH AS ERROR PROCESSORS). EACH ENTRY POINT SHOULD BE DOCUMENTED WITHIN THE SUBROUTINE.

PPU AND CPU SUBROUTINES WHICH ARE ENTERED VIA A RETURN JUMP CONTAIN THE FOLLOWING INSTRUCTION AT THEIR ENTRY/EXIT POINT:

OR,

TAG SUBR ENTRY/EXIT

.
.
.
EQ TAGX RETURN

WHEN SPACE IS CRITICAL IN A PPU PROGRAM, A SUBROUTINE MAY CONSIST OF A BLOCK OF CODE THAT IS ENTERED BY A LONG JUMP INSTRUCTION. IN THIS CASE, THE SUBROUTINE ENTRY POINTS SHOULD BE CLEARLY DOCUMENTED.

## 3.3.8 CPU CODE OPTIMIZATION

AN EFFORT SHOULD BE MADE TO AVOID THE GENERATION OF NO-OPS AT THE END OF A 60-BIT HORD. THIS MAY BE DONE BY ARRANGEMENT OF CODE SO THAT EACH 60-BIT HORD IS COMPLETELY FILLED WITH EXECUTABLE CODE. THIS IS ALSO DONE FOR INSTRUCTIONS WHICH HAVE AN OPTIONAL \*K\*PARAMETER BY SUPPLYING A ZERO VALUE FOR \*K\*, THUS GENERATING A 30-BIT INSTRUCTION INSTEAD OF A 15-BIT INSTRUCTION. THE HAY TO DOTHIS IS TO APPEND A \*+\* TO THE REGISTER IN THE VARIABLE FIELD OF THE INSTRUCTION, AS SHOWN BELOW:

## SA4 Al+ (GENERATES 30-BIT INSTRUCTION)

THIS INDICATES THAT THE PADDING WAS ADDED FOR OPTIMIZATION PURPOSES AND IS TO BE REMOVED AS NECESSARY WHEN THE CODE IS MODIFIED.

# 3.3.9 CLEARING PPU MEMORY

THE FOLLOWING CODING SEQUENCES ARE USED TO CLEAR 5 CONSECUTIVE WORDS OF PPU MEMORY TO ZEROES:

+		
I		-NOS ONLY-
I		
I	LDN	ZERL
I	CRD	TAG
<b>+</b>		*************
		•
+		
1		-NOS/BE UNLY-
:	LDN	P.ZERO
1	CRD	TAG
<b>V</b>		

THE CONSTANTS ZERL AND P.ZERO SHOULD NOT BE ASSUMED TO BE AT ADDRESS ABSOLUTE ZERO IN MEMORY.

### 3.3.10 INSTRUCTION MODIFICATION

LDC

STD

INSTRUCTIONS WHICH ARE MODIFIED ARE FOLLOWED BY A COMMENT WHICH SHOWS EACH ALTERNATIVE FORM UNDER WHICH THE INSTRUCTION CAN TAKE. THE FOLLOWING EXAMPLES SHOW THE LAYOUT USED:

### **EXAMPLE:**

TAG	LDC	TRCO	SET READ FUNCTION
*	LDC	THTO	(WRITE FUNCTION)
•	LDC	TFCN	(POSITION FUNCTION)
TAGA	EQU	<b>*-1</b>	
EXAMPLE:			•
TAGA	LDC	*	RESTORE (TI)

(T1)

T1

THE COMMENT IN ( ) SHOULD DESCRIBE THE CONDITIONS UNDER WHICH THE INSTRUCTION IS CHANGED.

(CONTENTS OF T1)

PPU SHORT JUMP INSTRUCTIONS WHICH MUST BE MODIFIED ARE TESTED FOR RANGE ERRORS. THE LOC PSEUDO-OP IS USED AND THE JUMP INSTRUCTION ACTUALLY ASSEMBLED IF THE PROGRAM SIZE IS NOT A CRITICAL FACTOR. FOR EXAMPLE:

TAGA MJN TAGI IF TIME NOT EXPIRED

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WHEN PROGRAM SIZE IS A CONSTRAINING FACTOR, THE ERRNG PSUEDO INSTRUCTION MAY BE USED TO TEST FOR RANGE ERRORS AS FOLLOWS:

ERRNG 37+DADDR-JADDR (COMMENT)
ERRNG 37+JADDR-DADDR (COMMENT)

WHERE:

JADDR -ADDRESS OF JUMP INSTRUCTION DADDR -DESTINATION ADDRESS OF JUMP

INSTRUCTION MODIFICATION SHOULD BE AVOIDED IN CPU CODE. (CAUTION MUST BE TAKEN TO ENSURE THAT THE INSTRUCTION TO BE MODIFIED IS NOT ALREADY IN THE INSTRUCTION STACK.)

# 3.3.11 COMMON DECK REGISTER USAGE

CPU CODE WITHIN COMMON DECKS AVOIDS USING REGISTERS AO, A5, XO AND X5 UNLESS ABSOLUTELY NECESSARY.

## 3.4 DATA.USE..EORMAT.AND.RARAMETERS

#### 3.4.1 LITERALS

LITERALS MAY BE USED FOR READ ONLY CONSTANTS ONLY.

### 3.4.2 DATA FORMATS

DATA IS SPECIFIED IN ITS NATURAL FORM (READABLE AND UNDERSTANDABLE BY HUMANS) USING POST-RADIX SYMBOLS AS REQUIRED (SEE SECTION 3.6.1). IF CONVERSION CONSIDERATIONS MAKE THIS IMPOSSIBLE, THE COMMENT FIELD WILL CONTAIN THE NATURAL FORM OF THE DATA. OCTAL VALUES ARE NOT USED FOR CHARACTER DATA UNLESS THE DATA CANNOT BE SPECIFIED IN ANY OTHER MAY. WHEN THE VFD IS USED, IT CANNOT GENERATE MORE THAN ONE CM WORD OF DATA.

ONLY ONE PIECE OF DATA IS SPECIFIED ON A LINE OF CODE UNLESS A BLOCK OF DATA IS BEING SPECIFIED FOR USE AS A SINGLE DATA ITEM, TO BE REFERENCED BY A SINGLE NAME.

### 3.4.3 TABLE GENERATION

TABLES WHICH ARE GENERATED WITH ENTRY ORDINALS RELATIVE TO THE BASE ADDRESS OF THE TABLE, SHOULD USE THE LOC PSEUDO-OP AS SHOWN IN THE FOLLOWING EXAMPLE:

TFCN	BSS	0	TABLE ENTRY
	LDC	0	
	CON	RNM	FIRST ENTRY
	CON	ACF	SECOND ENTRY
	•		
	•		
	•		
	CON	VSN	LAST ENTRY
	LOC	*0	
TFCNL	EQU	+-TFCN	TABLE LENGTH

WHERE TABLES ARE DESCRIBED, THEY ARE DEFINED SO THEY CAN BE PROCESSED BY THE \*DOCUMENTATION TABLE GENERATOR\*. A DESCRIPTION OF THIS FORMAT IS FOUND IN THE EXTERNAL DOCUMENTATION FOR THE PROGRAM \*DOCMENT\*.

## 3.4.4 DIRECT CELL USE

DIRECT CELLS ARE DEFINED USING ONE OF THE FOLLOWING METHODS:

1. A SINGLE CELL:

XX EQU N DESCRIPTION

2. MULTIPLE CELLS:

XX EQU N - M DESCRIPTION

3. CONTIGUOUS CELLS:

	LOC	N	
XX	BSS	1	DESCRIPTION
YY	BSS	5	DESCRIPTION
	•		
	•		
	•		
<b>2</b> Z	BSS	1	DESCRIPTION
	1.00	*0	

### WHERE:

XX - THE TAG FOR THE CELL

YY - THE TAG FOR THE CELL

ZZ = THE TAG FOR THE CELL

N - LOCATION OF THE CELL (OR FIRST CELL)

M - LOCATION OF THE LAST CELL

MULTIPLE DEFINITIONS OF DIRECT CELLS SHOULD BE AVOIDED.

THE FIRST FEW DIRECT CELLS IN THE PPU SHOULD NOT BE USED FOR DATA WHICH IS CRITICAL TO DEBUGGING. THE DEADSTART DUMP PROCESS DESTROYS THE CONTENTS OF THESE LOCATIONS:

NOS TO - T3

NOS/BE D.ZO - D.Z4

### 3.4.5 BUFFER DEFINITIONS

BUFFERS AND WORKING STORAGE AREAS ARE DEFINED USING EQU STATEMENTS (RATHER THAN BSS AND BSSZ) TO AVOID UNNECCESSARY LOADING OF THE BUFFER AREAS. THIS APPLIES TO CPU AND PPU CODE.

USE BUFFERS
IBUF EQU +

OBUF EQU IBUF+IBUFL

# 3.5 DATA/CODE.NAMING.TERMINGLOGY

# 3.5.1 USE OF CONDITION TERMINOLOGY

THE FOLLOWING TERMS ARE USED TO DESCRIBE THE CONDITION OF BITS USED AS FLAGS OR SWITCHES. THE SELECTED TERMS SHOULD BE USED CONSISTENTLY WITHIN A PROGRAM.

1 0
ON OFF
TRUE FALSE
SET CLEAR
NONZERO ZERO
UP DOWN

# 3.5.2 TAGS WITHIN SUBROUTINES

EACH SUBROUTINE (MAIN LOOP, PRIMARY SUBROUTINE OR SECONDARY SUBROUTINE) HAS A MEANINGFUL THREE CHARACTER NAME WHICH IS DERIVED FROM THE TITLE OF THE SUBROUTINE (SEE SECTION 2.4).

TAGS USED FOR BRANCH INSTRUCTIONS ARE OF THE FORM:

### XXXN

TAGS ON CODE WHICH IS ADDED LATER TO THE SUBROUTINE ARE OF THE FURM:

### XXXN. N

TAGS THAT ARE INSERTED BETWEEN THE SUBR AND THE TAG XXX1 BY CORRECTIVE CODE ARE OF THE FORM:

### XXXO.N

TAGS ON STORAGE LOCATIONS (CONSTANTS, TEMPORARY STORAGE AND INSTRUCTION MODIFICATION) WITHIN A SUBROUTINE ARE OF THE FORM:

#### XXXA

### HHERE:

- XXX = SUBROUTINE NAME
- XXXN TAG PRECEDING AN ADDED ONE
- N NUMBER FROM 1 TO 99 (IN CONSECUTIVE ORDER BEGINNING AT THE ENTRY POINT AND ENDING AT THE EXIT POINT)
  - LETTER FROM A TO Z AND AA TO ZZ (IN ALPHABETICAL ORDER AND EXCLUDING X)

TAGS OF THE FORM XXXN, XXXN.N, AND XXXA SHOULD NOT BE REFERENCED OUTSIDE OF SUBROUTINE XXX.

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IF THE ABOVE RULES CANNOT BE FOLLOWED DUE TO TAG UNAVAILABILITY, THE ENTIRE SUBROUTINE WILL HAVE ITS TAGS RESEQUENCED.

# 3.5.3 TAGS ON DATA

## 3.5.3.1 DIRECT CELLS

ALL LOCALLY DEFINED PPU DIRECT CELLS HAVE TWO-CHARACTER TAGS. (IN NOS ALL DIRECT CELLS HAVE TWO-CHARACTER TAGS.)

THE FOLLOWING TABLE DEFINES THE PREASSIGNED DIRECT CELL USAGE:

CONTENTS	NOS Name	NOS LOCATION	NOS/BE NAME	NOS/BE LOCATION
CONTROL POINT RA	RA	55	D.RA	55
CONTROL POINT FL	FL	56	D.FL	56
1	ON	70	D.PPONE	70
100	HN	71	D.HN	71
1000	TH	72	D.TH	7.2
3	TR	73	D.TR	73
CPA ADDRESS	CP	74	D. CPAD	76
PPU INPUT REGISTER ADDRESS	IA	75	D.PPIR	74
PPU OUTPUT REGISTER ADDRESS	SOA	76		
PPU MESSAGE BUFFER ADDRESS	MA	77	D.PPMES1	75
PPU STATUS WORD ADDRESS		***	D.PPSTAT	77

## 3.5.3.2 CODE CONTROL NAMES

NAMES USED FOR ASSEMBLY OPTIONS, MICROS AND TO CONTROL CODE GENERATION ARE FIVE OR MORE CHARACTERS LONG.

## 3.5.3.3 TABLE NAMES

TAGS USED ON TABLES HAVE THE FORM:

TXXX

TAGS USED FOR TABLE LENGTHS HAVE THE FORM:

TXXXL

TAGS USED FOR TABLE ENTRY LENGTHS HAVE THE FORM:

TXXXE

WHERE:

XXX=3 CHARACTER TABLE NAME

## 3.5.3.4 GLOBAL MEMORY LOCATIONS

NAMES USED FOR GLOBAL MEMORY LOCATIONS (LOCATIONS REFERENCED BY MORE THAN ONE SUBROUTINE) ARE FOUR CHARACTERS LONG.

## 3.5.4 CONSTANTS USED AS INSTRUCTIONS

FOUR LETTER TAG NAMES SHOULD END IN "1" IF (AND ONLY IF) THE TAG NAME IS DEFINING AN INSTRUCTION.

FOR EXAMPLE:

LJMI EQU 100B +LJM+ INSTRUCTION
SHNI EQU 1000B +SHN+ INSTRUCTION

CONSTANTS USED AS INSTRUCTIONS SHOULD BE DEFINED AND USED EVEN THOUGH THE CONTENTS OF A DIRECT CELL IS BEING USED TO MODIFY AN INSTRUCTION.

### **EXAMPLE:**

THE DIRECT CELLS HN AND TH (SEE SECTION 3.5.3.1) MAY BE USED TO MODIFY LJM AND SHN INSTRUCTIONS. THE CONSTANT USED AS AN INSTRUCTION SHOULD BE USED AS FOLLOWS:

LDD TH+SHNI+O
LHN 1
STM TAGA
.
.
.
.
SHN 0
SHN 1 (COMMENT)

# 1.5.5 IF/ELSE/ENDIF SYMBOLS

TAGA

SYMBOLS USED ON IF, ELSE, ENDIF AND SKIP PSUEDO INSTRUCTIONS ARE OF THE FORM:

. A

WHERE:

A = LETTER FROM A TO Z

### 3.5.6 NON-LOCAL MACRO SYMBOLS

TO AVOID CONFLICTS WITH USER CODE, NON-LOCAL SYMBOLS DEFINED WITHIN MACROS ARE OF THE FORM:

. N

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WHERE:

N = NUMBER FROM 1 TO 99

### 3.5.7 LOW CORE LOCATION SYMBOLS

SYMBOLS THAT ARE USED TO DEFINE LOCATIONS IN LOW CORE (CMR) ARE OF THE FORM:

XXXL

### 3.5.8 CONTROL POINT AREA LOCATION SYMBOLS

SYMBOLS THAT ARE USED FOR DEFINING LOCATIONS IN THE CONTROL POINT AREA ARE OF THE FORM:

XXXW

### 3.5.9 MONITOR FUNCTION SYMBOLS

SYMBOLS USED FOR MONITOR FUNCTION REQUESTS ARE OF THE FORM:

XXXM

### 3.6 PSUEDO.INSTRUCTION.USE..EORNAT.AND.PARAMETERS

## 3.6.1 BASE AND POST RADIX USE

THE BASE DECIMAL PSEUDO-OP IS USED IN ALL CPU CODE. THE BASE MIXED PSEUDO-OP IS USED IN ALL PPU CODE. POST RADIX IS ALLOHED FOR DATA FORMATS OTHER THAN OCTAL AND DECIMAL; IN SPECIFYING TIMING LOOPS WHERE DECIMAL VALUES ARE MORE MEANINGFUL TO HUMANS; AND WHERE EXTERNAL SPECIFICATIONS SUCH AS ANSI OR CORPORATE STANDARDS DICTATE THE USE OF A PARTICULAR FORMAT.

-NOS/BE ONLY-

I BASE MIXED IS USED FOR COMPLETE, NEWLY WRITTEN PPU PROGRAMS. I CHANGES TO EXISTING PROGRAMS CONFORM TO THE EXISTING BASE.

# 3.6.2 EXTERNAL REFERENCES

THE EXT PSEUDO-OP IS NOT USED. ALL REFERENCES TO EXTERNAL NAMES USE THE FORM =XNAME. IN AN ABSOLUTE ASSEMBLY, REFERENCES TO LOCATIONS IN OTHER OVERLAYS USE THE FORM =XNAME.

### 3.6.3 SPACE CARD FORMAT

THE FORMAT OF THE SPACE PSUEDO INSTRUCTION IS:

TAG SPACE 4.N

HHERE:

TAG -TABLE, MACRO OR SUBROUTINE NAME

N =STATEMENT COUNT

THE STATEMENT COUNT IS A MULTIPLE OF 5 THAT IS GREATER OR EQUAL TO 10. IT SHOULD BE LARGE ENOUGH TO AVOID BREAKING DOCUMENTATION ACROSS PAGE BOUNDARIES.

# 3.6.4 CONDITIONAL CODE

NUMERIC SKIP COUNTS ARE NOT USED WITH IF, IFC, ELSE, ETC., BECAUSE THIS MAKES CODE DIFFICULT TO READ (ESPECIALLY WHEN THE SKIPPED LINES ARE NOT LISTED). ENDIF SHOULD BE USED INSTEAD. AN EXCEPTION IS ALLOWED FOR SYSTEMS TEXTS WHERE SPACE IS CRITICAL.

CONDITIONAL SEQUENCES SHOULD BE BRACKETED WITH LABELS (REFER TO SECTION 3.5.5) WHICH ALLOWS THEM TO BE EASILY SPOTTED AND MATCHED IN LISTINGS.

WHEN EITHER END OF A SEQUENCE OF CONDITIONAL CODE OCCURS AT A BREAK IN THE LISTING (SPACE, TITLE, OR BLANK LINES), THE SPACING CARDS SHOULD BE PLACED SO THAT SPACING WILL BE CORRECT WHETHER THE TEST IS TRUE OR FALSE. USUALLY THIS MEANS MOVING THE SPACING OUTSIDE THE CONDITIONAL CODE.

### **EXAMPLE:**

	-		
	•		
	•		
	EQ	TAG1	CONTINUE
	(BLANK C	ARD)	COUTSIDE CONDITIONAL CODE
. A	IFC	EQ, # SYSTEM #	SCOPE+
TAG3	CONTROLC	TAGA, R	READ CONTROL CARD
	EQ	TAGX	RETURN
	(BLANK C	ARD)	
TAGA	CON	108	CONTROLC READ FUNCTION
- A	ELSE		TENTON TENTO TONOTION
TAG3	CONTROL	CCDR	READ CONTROL CARD
	EQ	TAGX	RETURN
. A	ENDIF		
ABC	SPACE	4.10	(OUTSIDE CONDITIONAL CODE)

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### 3.6.5 MACROS

MACRO DEFINITIONS SHOULD INCLUDE A DESCRIPTION OF HOW THE MACRO IS CALLED AND A DESCRIPTION OF ALL FORMAL PARAMETERS.

THE PURGMAC PSUEDO INSTRUCTION SHOULD BE USED TO DISABLE ANY PREVIOUS MACRO DEFINITIONS OF THE SAME NAME.

NON-LOCAL SYMBOL DEFINITIONS SHOULD BE OF THE FORM .N (SEE SECTION 3.5.7).

TO AVOID TERMINATING MULTIPLE MACRO DEFINITIONS, THE ENDM INSTRUCTION SHOULD BE LABELED WITH THE MACRO NAME.

# 3.7 TESTS.EOR.OVERELOW

CPU AND PPU PROGRAMS SHOULD CONTAIN ASSEMBLY CHECKS FOR CERTAIN TYPES OF OVERFLOW CONDITIONS. THE FOLLOWING POINTS SHOULD BE CONSIDERED WHEN MAKING THE CHECKS.

PPU PROGRAMS AND OVERLAYS ARE GENERATED BY COMPASS IN MULTIPLES OF 5 PPU BYTES (1 CM WORD). THEREFORE, WHEN READING AN OVERLAY FROM CENTRAL MEMORY TO PPU MEMORY, MORE PPU BYTES MAY BE DESTROYED THAN THE ACTUAL NUMBER OF BYTES OF PPU CODE.

OVERLAYS LOADED FROM MASS STORAGE TO PPU MEMORY COME IN MULTIPLIES OF 500 PPU BYTES. AT LEAST 5 BYTES OF THE LAST PRU ARE REQUIRED TO REPRESENT END OF RECORD WHICH CAN INCREASE THE SIZE OF THE OVERLAY BY ONE PRU (500 BYTES).

CARE SHOULD BE TAKEN TO ENSURE THAT THE LITERALS BLOCK HAS BEEN DEFINED BEFORE CHECKING FOR THE OVERFLOW CONDITIONS.

## 3.7.1 CM LOADS

ALL PPU PROGRAMS INCLUDE A TEST FOR THE AMOUNT OF CORE REMAINING AFTER A CM LOAD AS SHOWN IN THE FOLLOWING EXAMPLE:

USE OVERFLOW

XXX BSS 0
ERRNG 7772-XXX PPU MEMORY OVERFLOW

WHERE:

XXX =TAG FOR THE LAST LOCATION DEFINED

## 3.7.2 TABLE OVERFLOW

IF A PPU PROGRAM USES MORE STORAGE THAN IT DECLARES, ITS LENGTH IS CHECKED AS SHOWN IN THE FOLLOWING EXAMPLE:

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CHECK FOR OVERFLOW

WHERE:

XXX =TAG FOR THE LAST LOCATION DEFINED XXXL=LENGTH OF UNDECLARED SPACE XXXE=END OF SPACE USED

## 3.7.3 MASS STORAGE LOADS

-NOS ONLY-

I A TEST WILL BE INCLUDED IN EACH PPU PROGRAM WHICH MAY RESIDE ON MASS STORAGE. THIS TEST WILL PROTECT AGAINST A LOAD WHICH EXCEEDS THE END OF MEMORY IN THE PPU CAUSING WRAP AROUND. THE OVERFLOW MACRO IS AVAILABLE IN COMPMAC FOR THIS OPERATION.

#### 3.7.4 OVERLAY LOADS

PROGRAMS CALLING OVERLAYS SHOULD TEST FOR MEMORY OVERFLOW WITH THE FULLOWING TEST:

ERRNG (LWA+1)-(LOAD ADDR)-LEN COMMENT

WHERE:

LWA+1 - FIRST BYTE NOT TO BE DESTROYED BY THE ZERO LEVEL OVERLAY LOAD ADDR - ADDRESS WHERE THE OVERLAY IS LOADED LEN - LENGTH OF OVERLAY

THE LENGTH OF AN OVERLAY IS DEFINED TO BE THE NUMBER OF BYTES DESTROYED BY THE OVERLAY DURING LOADING AND EXECUTION. THE OVERLAY SHOULD ALSO CONTAIN A TEST TO ENSURE THAT IT DOES NOT EXCEED ITS DEFINED LENGTH. THE OVERLAY LENGTH CAN BE ADJUSTED TO A HIGHER OR SMALLER VALUE AS LONG AS NONE OF THE TESTS FAIL.

### 3.8 RELOCATABLE.CRU.CODE

THE FIRST WORD OF A RELOCATABLE CPU PROGRAM SHOULD BE OF THE FORMAT:

42/OLDECK, 18/ADDR

THIS WORD IS CAN BE USED TO LOCATE THE FIRST WORD ADDRESS AND ENTRY POINT OF A ROUTINE IN A CM DUMP.

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WHERE:

DECK = DECK NAME ADDR = ENTRY ADDRESS OF PROGRAM

THE CONTENTS OF AO MUST NEVER BE USED IN A LIBRARY LEVEL ROUTINE UNLESS IT IS SAVED AND RESTORED. AO IS USED BY FTN AS A BASE REGISTER FOR FORMAL PARAMETERS IN SUBROUTINE LINKAGES.

# 4.0 MISCELLAMEOUS

# 4.1 PROGRAM. NAMING

## 4.1.1 LENGTH OF PROGRAM NAME

PERIPHERAL PROCESSOR PROGRAM NAMES ARE 3 CHARACTERS LONG.

CENTRAL PROCESSOR PROGRAM NAMES ARE 4 TO 7 CHARACTERS LONG.

# 4.1.2 RESERVED NAMES

THE FOLLOWING PPU PROGRAM NAMES ARE RESERVED OR PRESENTLY DEFINED FOR USE (X MEANS ANY CHARACTER LEGAL IN A PPU PROGRAM NAME AND N MEANS ANY NUMBER BETWEEN 0 - 9):

UXX	RESERVED	FOR	INSTALLATIONS
NUX	RESERVED	FOR	INSTALLATIONS
9AA-9T9	RESERVED	FOR	SYSTEM USE
9VA-929	RESERVED	FOR	SYSTEM USE
90A-929	RESERVED	FOR	DIAGNOSTICS
934-939	RESERVED	FOR	SYSTEM USE

+		
I		-NOS ONLY-
I		
1		
I	6XX	CALLABLE MASS STORAGE DRIVERS
1	7XX	MASS STORAGE ERROR PROCESSING OVERLAYS
I	9AA-9D9	DSD OVERLAYS
I	9EA-9F9	DIS OVERLAYS
I	9GA-9G9	026 OVERLAYS
I	OXX	LOCATION FREE OVERLAYS
I	OCX	CONTROLWARE IDENTIFICATION PROCESSORS
I	OPX	PACK NUMBER IDENTIFICATION PROCESSORS
I	OTX	AUTOMATIC TRACK FLAW PROCESSORS
I		
I	UXXL	PPCOM SYMBOL - RESERVED FOR INSTALLATIONS
1	UXXM	PPCOM SYMBOL - RESERVED FOR INSTALLATIONS
I	UXXP	PPCOM SYMBOL - RESERVED FOR INSTALLATIONS
I	UXXM	PPCOM SYMBOL - RESERVED FOR INSTALLATIONS
1		
<b>+</b>		· · · · · · · · · · · · · · · · · · ·

I		-NOS/BE UNLY-			
I					
I					
I	OFA-OF9	RESERVED FOR SYSTEM USE			
I	0ZA-0Z9	RESERVED FOR SYSTEM USE			
I	1ZA-1Z9	INTERCOM DRIVERS			
I	8XX	RESERVED FOR SYSTEM USE			
I		•			
<b>+</b>					

## 4.1.3 COMMON DECK NAMES

COMMON DECK NAMES ARE SEVEN CHARACTERS IN LENGTH AND IN THE FOLLOWING FORM:

### COMXAAA

### WHERE:

- AAA THE NAME OF THE ROUTINE OR A SYMBOLIC NAME IF NO ROUTINE NAME.
- X ONE OF THE FOLLOWING COMMON DECK INDICATORS:
  - C CPU CODE
  - P PPU CODE
  - S = SUBSYSTEM TEXT SYMBOLS, CONSTANTS ETC.
  - D DISPLAY DRIVER CODE
  - T = TABLES
  - M = MASS STORAGE ERROR EQUIVALENTS
  - B = DATA MANAGER
  - K = TRANSACTION SUBSYSTEM
  - I INITIALIZATION

## 4.2 CODE .TRANSMITTAL .RULES

CODE WHICH IS TO BE INTEGRATED INTO A SYSTEM BUILD FOR EVENTUAL RELEASE TO THE FIELD IS IDENTIFIED AND FORMATTED AS DESCRIBED IN THIS SECTION.

### 4.2.1 GENERAL RULES

EACH EXTERNAL PSR BEING ANSWERED HAS A CORRESPONDING CORRECTIVE CODE IDENTIFIER (TO BE DESCRIBED LATER). CORRECTIVE CODE ANSWERING OTHER PSRS IS NOT INCLUDED IN THE MODIFICATION UNDER THIS IDENTIFIER. EXCEPTIONS ARE ALLOWED WHERE REQUIRED BY INTERRELATED MODIFICATIONS FOR SEVERAL PSRS.

CORRECTIONS ARE PLACED IN ASCENDING ORDER; I. E., THE CORRECTIONS ARE SORTED IN THE SAME ORDER THAT THE LINES BEING CORRECTED APPEAR ON THE PROGRAM LIBRARY. IF A SINGLE MODIFICATION CHANGES SEVERAL DECKS, THEN THE CORRECTIONS ARE ALSO SORTED IN THE ORDER THAT THE DECKS APPEAR ON THE PROGRAM LIBRARY.

CORRECTIONS MODIFYING LINES WITH PREVIOUSLY MODIFIED SEQUENCE NUMBERS INCLUDE THE LINE NUMBER OF THE NEAREST PRECEDING ORIGINAL LINE IN PARENTHESIS IN THE COMMENTS FIELD OF THE MODIFY DIRECTIVE.

# 4.2.2 NOS MODSET FORMAT

# 4.2.2.1 MODSET IDENTIFIER

THE NOS MODSET IDENTIFIER CONSISTS OF THREE TO FIVE ALPHANUMERIC CHARACTERS WHICH ARE EXTRACTED FROM THE DECK NAME AS FOLLOWS:

- FOR COMMON DECKS THAT BEGIN WITH "COM" USE THE LAST FOUR CHARACTERS OF THE NAME.
- 2. FOR PPU PROGRAMS USE THE THREE CHARACTER PROGRAM NAME.
- 3. ALL OTHER DECKS USE THE FIRST FIVE CHARACTERS OF THE DECK NAME; IF THE DECK NAME IS LESS THAN SIX CHARACTERS USE THE ENTIRE DECK NAME.
- 4. MODIFICATIONS WHICH INVOLVE MULTIPLE DECKS ARE GIVEN THE MODSET IDENTIFIER \*KRANNN\*.
- 5. MODIFICATIONS WHICH ONLY CORRECT DOCUMENTATION WITHIN A DECK ARE LUMPED TOGETHER FOR EACH CORRECTIVE CODE RELEASE AND GIVEN THE MODSET IDENTIFIER \*DOKNN\*. THIS DOES NOT INCLUDE LINES OF CODE WHICH HAVE DOCUMENTATION CHANGES IN THEM.
- 6. IF A MODSET IS ADDING A NEW FEATURE, THE FEATURE IDENTIFIER FOR EACH DECK MODIFIED IS OBTAINED FROM NOS CODE CONTROL.
- 7. UPON RELEASE OF THE SYSTEM, A "COMPOSITE" MODSET IS GENERATED FROM ALL FEATURE CODE WHICH IS TO BE RELEASED. THE NAMES INCLUDE:

K21000 - KRONOS 2.1 OS

K22000 - KRONOS 2.1.2/NOS 1.0 OS

N11000 - NOS 1.1 OS

N12000 = NOS 1.2 OS

FUTURE FEATURE CODE MODSETS WILL FOLLOW THE SAME FORMAT.

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#### 4.2.2.2 MODSET SEQUENCE NUMBER

THE MODSET SEQUENCE NUMBER IS A ONE TO THREE DIGIT NUMBER APPENDED TO THE MODSET IDENTIFIER.

## 4.2.2.3 MODSET CORRECTION LETTER

WHEN A MODSET IS CORRECTING A PREVIOUS MODSET, ONE ALPHABETIC CHARACTER (STARTING WITH A) WILL BE APPENDED TO THE SEQUENCE NUMBER. WHENEVER A MODSET CORRECTION LETTER OF 'B' OR ABOVE IS REQUIRED, THE COMMENTS HEADER OF THE MODSET MUST INDICATE WHICH PREVIOUS MODSET IS BEING CORRECTED.

## 4.2.2.4 OVERFLOW

WHENEVER A MODSET IDENTIFIER USING THE ABOVE CONVENTIONS EXCEEDS SEVEN CHARACTERS, TRUNCATE THE LAST CHARACTER(S) OF THE DECK NAME TO REDUCE THE IDENTIFIER TO SEVEN CHARACTERS.

### 4.2.2.5 MODSET EXAMPLE

THE FOLLOWING FORMAT IS USED FOR CORRECTIVE CODE MODSETS:

1	11	18	30 (	COLUMN	NUMBE	RS)
+	+	+	+			
IDENT						
* IDENT	IDENT	INITIALS.	YY/MM/DD.			
+/	****	SYSTEM.				
+/	****	PSR NUMBER.				
*/	****	COMMENTS.				
+/	(CONTIN	UATION OF COMMEN	TS).			
*DECK	DECKNAM	E				
#1.SEQL	JENCE NUM	BER				
+D, SEQL	JENCE NUM	BER				
40.MODM	MAME . SEQUI	ENCE NUMBER	(NEAREST ORI	GINAL	SEQ.	NO.)
*EDIT	DECKNAM	E	CIF COMMON DI	ECK)		
+/	END OF	MODSET.				

### WHERE:

IDENT	- MODSET IDENTIFIER.
YY/MM/DD	- DATE OF LAST MODSET CHANGE.
SYSTEM	<ul> <li>NAME OF SYSTEM IN WHICH THE MODSET WILL BE RELEASED. (IE - NOS 1.2 OS. OR NOS 2.0 OS.)</li> </ul>

COMMENTS ARE TO BE INCLUDED TO INDICATE WHAT THE CORRECTIVE CODE IS FIXING. THE \*READPL DIRECTIVE IS NOT USED.

# 4.2.3 NOS/BE CORRECTION SET FORMAT

## 4.2.3.1 CORRECTION SET IDENTIFIER

THE IDENTIFIER USED FOR PSR CORRECTIONS IS THE EXTERNAL PSR NUMBER. WHEN INTERNAL PSRS ARE ANSWERED, AN EXTERNAL PSR NUMBER IS OBTAINED BEFORE SUBMITTING THE CODE FOR INTEGRATION. THE IDENTIFIERS USED FOR FEATURE CODE WHICH MODIFIES EXISTING DECKS ARE OF THE FORM:

#### FNNNNAA

#### HHERE:

NNNN = THE FOUR DIGIT FEATURE NUMBER OBTAINED FROM THE SOFTWARE IMPLEMENTATION PLAN.

AA = THO ALPHABETICAL CHARACTERS ASSIGNED BY THE PROJECT LEADER FOR EACH DECK MODIFIED.

FEATURE CODE WHICH ADDS NEW DECKS FOLLOW THE PROCEDURE IN SECTION 4.2.3.4. CORRECTIVE CODE AGAINST FEATURES DURING THE I AND E CYCLE USE IDENTIFIERS OF THE FORM:

### CHNNNYY

### WHERE:

NNNN = THE FOUR DIGIT FEATURE NUMBER BEING CORRECTED.

YY = TWO ALPHABETICAL CHARACTERS ASSIGNED BY THE PROJECT
LEADER.

# 4.2.3.2 CORRECTION HISTORY

EACH CORRECTION SET INCLUDES CARDS TO BE INSERTED IN THE HISTORY DECK WHICH CONTAIN A DESCRIPTION OF THE CHANGE BEING MADE (INCLUDING THE PROBLEM DESCRIPTION FOR PSRS). THE DATE OF THE MODIFICATION, AND A LIST OF THE DECKS MODIFIED. THESE CARDS APPEAR FOLLOWING THE IDENT CARD AND BEFORE THE FIRST CORRECTION TO THE CODE.

# 4.2.3.3 CORRECTION APPLICABILITY

IF CODE IS APPLICABLE TO MORE THAN ONE VERSION OF A PARTICULAR PRODUCT, SUCH APPLICABILITY IS SHOWN ON AN UPDATE COMMENT CARD PLACED IMMEDIATELY AFTER THE IDENT CARD.

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#### 4-2-3-4 NEW DECKS

THE RECOMMENDED WAY OF ADDING A NEW DECK OR COMMON DECK IS AS FOLLOWS:

\*IDENT NAME \*BEFORE NEXTDECK.1 \*DECK NAME OR \*COMDECK NAME

THE USE OF IDENTICAL NAMES FOR IDENT AND DECK PRODUCES PROPER SEQUENCE NUMBERS ON THE RESULTING PL.

### 4.2.3.5 SPECIAL UPDATE DIRECTIVES

THE UPDATE DIRECTIVES ADDFILE, COPY, AND DECLARE ARE NOT USED IN PSR CORRECTION SETS.

# 4.2.3.6 CORRECTION SET EXAMPLE

\*IDENT | IDENT | CORRECTION APPLICABILITY (OPTIONAL) | +8,HISTORY.2 | IDENT | DESCRIPTION OF PROBLEM AND CORRECTION | (CONTINUATION OF DESCRIPTION) | YY/MM/DD | DECKS MODIFIED | +1,SEQUENCE NUMBER

\*1,SEQUENCE NUMBER \*D,SEQUENCE NUMBER

(NEAREST ORIGINAL LINE NO.)

\*C DECKS MODIFIED

## 4.3 INTEREACE.CONSIDERATIONS

### 4.3.1 SYSTEM SUPPLIED INTERFACES

ALL INTERACTIONS BETWEEN PROGRAMS (CPU AND PPU) AND THE SYSTEM USE SYSTEM-SUPPLIED MACROS, LINKAGE LABELS OR COMMON DECKS. IN PPU PROGRAMS THE SYSTEM DEFINED DIRECT CELLS ARE ONLY USED AS DEFINED BY THE SYSTEM. (SEE SECTION 3.5.3.1)

## 4.3.2 PARAMETER VALIDATION

EACH PARAMETER PASSED BETWEEN PROGRAMS WILL BE VALIDATED OR PROCESSED IN A WAY THAT PROTECTS THE PROGRAM FROM UNCONTROLLED ACTIONS CAUSED BY UNEXPECTED VALUES.

#### 4.3.3 MEMORY ACCESS

PPU PROGRAMS WHICH ACCESS THE FIELD LENGTH OF A JOB WILL ENSURE THAT NO COMBINATION OF PARAMETERS, ERRORS, ETC. WILL CAUSE ACCESS TO AN ADDRESS OUTSIDE OF THAT FIELD LENGTH. ADDRESSES SHOULD BE VALIDATED PRIOR TO USING THEM FOR A CM READ OR WRITE TO AVOID REFERENCING AREAS OF MEMORY OUTSIDE OF THE CONTROL POINTS FIELD LENGTH.

### 4.3.4 SECURITY

PROGRAMS THAT PERFORM PRIVILEGED FUNCTIONS MUST ENSURE THAT THE REQUESTER OF THE FUNCTION HAS BEEN GIVEN PERMISSION BY THE SYSTEM TO USE THE FUNCTION. THIS ALSO APPLIES TO THE USE OF SPECIAL DEVICE DRIVERS, WHICH COULD BE CALLED ACCIDENTALLY OR MALICIOUSLY BY UNAUTHORIZED USERS. WHERE COMMON DECKS ARE AVAILABLE TO CHECK SECURITY OR PRIVILEDGES, THEY SHOULD BE USED RATHER THAN LOCALLY WRITTEN CODE.

# 4.3.5 RESERVATIONS AND INTERLOCKS

RESERVATIONS AND INTERLOCKS ARE ONLY USED AS DEFINED BY THE SYSTEM AND ARE RELEASED AS SOON AS POSSIBLE. NON-ESSENTIAL CODE IS NOT EXECUTED WHILE A RESERVATION OR INTERLOCK IS IN EFFECT.

IN CASES WHERE A RESERVATION REJECT COULD OCCUR, THE PROGRAM WILL:

- 1. CONTROL THE RATE OF RESERVATION RE-ISSUE.
- 2. DETECT AND RESPOND TO ERROR CONDITIONS.
- 3. PROTECT AGAINST STORAGE MOVE LOCKUP.

PROGRAMS WHICH USE RESERVATIONS AND INTERLOCKS WILL ENSURE THAT THE CONDITIONS ARE RELEASED NO MATTER WHAT PROGRAM PATH IS TAKEN.

WHEN MULTIPLE INTERLOCKS ARE REQUIRED, ALL PROGRAMS IN THE OPERATING SYSTEM MUST REQUEST THE INTERLOCKS IN THE SAME ORDER. WHEN A REJECT OCCURS WHEN ATTEMPTING TO OBTAIN SUCH INTERLOCKS, ALL RESERVATIONS HELD MUST BE RELEASED AND THE ENTIRE SEQUENCE OF INTERLOCKING MUST BEGIN AGAIN.

UNDER NOS, CARE MUST BE TAKEN TO NOT ISSUE DAYFILE MESSAGES, LOAD OVERLAYS, OR PAUSE WITH NON-DEDICATED CHANNEL(S) RESERVED.

# 4.3.6 DOCUMENTING HARDWARE DEFICIENCIES

INSTRUCTIONS WHICH ARE INCLUDED TO COMPENSATE FOR HARDWARE DEFICIENCIES ARE DOCUMENTED WITH A BRIEF DESCRIPTION OR IDENTIFICATION OF THE DEFICIENCY.

### 4.4 MODULARITY

#### 4.4.1 PPU OVERLAYS

PPU PROGRAMS USE OVERLAYS WHENEVER POSSIBLE TO IMPROVE THE LONG RANGE PERFORMANCE OF THE SYSTEM. OVERLAYS ARE USED FOR ANY SELDOM EXECUTED CODE SUCH AS ERROR HANDLING AND SELDOM USED FEATURES.

#### 4.4.2 HELPER PPU-S

HELPER PPUS ARE NOT USED UNLESS NO OTHER METHOD EXISTS. THE AVAILABILITY OF PPUS WHEN NEEDED SHOULD BE CONSIDERED.

### 4.4.3 COMMON DECKS

A COMMON DECK CONTAINING EXECUTABLE CODE CONSISTS OF ONE OR MORE SUBROUTINES (AS DEFINED IN SECTIONS 3.2.6 AND 3.2.7) AND ANY ASSOCIATED DATA STORAGE AREAS. THE PURPOSE OF COMMON DECKS IS TO INCREASE EFFICIENCY IN MRITING CODE, ENSURE UNIFORMITY OF CODE AND DECREASE DEBUGGING TIME. COMMON DECKS CONTAIN OPTIMIZED CODE AND EXTERNAL INTERFACES THAT ARE GENERALIZED TO FACILITATE THEIR USE IN FUTURE PROGRAMS. THESE DECKS SHOULD BE USED IN PREFERENCE TO LOCAL CODE WHENEVER POSSIBLE.

COMMON DECKS WHICH CONTAIN ONLY MACROS ARE NOT QUALIFIED. "S"
TYPE COMMON DECKS ARE NOT QUALIFIED BY THE QUAL PSEUDO-OP WITHIN
THE COMMON DECK. IF AN "S" TYPE COMMON DECK IS QUALIFIED
EXTERNALLY, THE QUALIFIER IS THE THREE CHARACTER NAME OF THE
ROUTINE. FOR EXAMPLE:

COMSAAA (WHERE AAA IS THE QUALIFIER)

#### 4.5 DAYFILE.MESSAGES

-NOS ONLY-

I DAYFILE MESSAGES ISSUED TO THE USER OR SYSTEM DAYFILE BEGIN I WITH A BLANK CHARACTER AND END WITH A PERIOD. DAYFILE I MESSAGES SHOULD NOT EXCEED 40 CHARACTERS.

### 4.6 UNHANGABLE.CHANNEL.CODE

TO AVOID CHANNEL HANGS, BIT 2++5 IS SET ON SOME PPU CHANNEL INSTRUCTIONS. THIS SHOULD ONLY BE USED WHEN UNDESTRABLE SIDE AFFECTS WILL NOT RESULT AND WHERE IT IS POSSIBLE TO TAKE CORRECTIVE ACTION. (FOR EXAMPLE: DISCONNECTING AN INACTIVE CHANNEL WILL NOT RESULT IN UNDESTRABLE EFFECTS.) BIT 2++5 SHOULD

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NOT BE USED WHEN UNPREDICTABLE RESULTS MAY OCCUR. BIT 2\*\*5 IS NOT USED WITH CHANNEL 15.

## APPENDIX.A. .. ABOREVIATIONS

STANDARD INDUSTRY ABBREVIATIONS MAY BE USED EVEN THOUGH THEY ARE NOT INCLUDED IN THE FOLLOWING APPENDIX.

## A.1 GENERAL ABBREVIATIONS

108 BEGINNING OF INFORMATION CLD CENTRAL LIBRARY DIRECTORY CENTRAL MEMORY CH CMM COMMON MEMORY MANAGER CMR CENTRAL MEMORY RESIDENT CONTROL POINT CP CPA CONTROL POINT AREA ADDRESS CPU CENTRAL PROCESSING UNIT CR CARRIAGE RETURN CONTROL WORD CW ECS EXTENDED CORE STORAGE EOF END OF FILE EOI END OF INFORMATION END OF LINE EOL END OF RECORD EOR EST EQUIPMENT STATUS TABLE ETX END OF TEXT FDX **FULL DUPLEX** FET FILE ENVIRONENT TABLE FL FIELD LENGTH FLE FIELD LENGTH FOR ECS FILE NAME TABLE FNT FST FILE STATUS TABLE FHA FIRST WORD ADDRESS HDX HALF DUPLEX 1/0 INPUT/OUTPUT LFN LOGICAL FILE NAME LWA LAST WORD ADDRESS MMF HULTI-MAINFRAME MS MASS STORAGE MST MASS STORAGE TABLE MT MAGNETIC TAPE MUX MULTIPLEXER PF PERMANENT FILE PFN PERMANENT FILE NAME PLD PERIPHERAL LIBRARY DIRECTORY PPU PERIPHERAL PROCESSING UNIT PRU PHYSICAL RECORD UNIT RA REFERENCE ADDRESS RAE REFERENCE ADDRESS FOR ECS RESIDENT CENTRAL LIBRARY RCL

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RPL RESIDENT PERIPHERAL LIBRARY
RMS ROTATING MASS STURAGE
SCR STATUS AND CONTROL REGISTER
SECDED SINGLE ERROR CORRECTION, DOUBLE ERROR DETECTION
SUBCONTROL POINT
TRT TRACK RESERVATION TABLE
TTY TELETYPE

# A.2 NETWORK HOST PRODUCTS ABBREVIATIONS

ABH APPLICATION BLOCK HEADER ABL APPLICATION BLOCK LIMIT ABN APPLICATION BLOCK NUMBER ABT APPLICATION BLOCK TYPE ACN APPLICATION CONNECTION NUMBER ACT APPLICATION CHARACTER TYPE ADR ADDRESS INFORMATION APPLICATION LIST NUMBER ALN COMMUNICATIONS LINE ADAPTER CLA IBU INPUT BLOCK UNDELIVERABLE IVT INTERACTIVE VIRTUAL TERMINAL NFE NO FORMAT EFFECTORS NPU NETWORK PROCESSING UNIT PRIMARY FUNCTION CODE PFC SFC SECONDARY FUNCTION CODE SM SUPERVISORY MESSAGE SMP SUPERVISORY MESSAGE PROCESSOR TA TEXT AREA TLC TEXT LENGTH CHARACTERS TLHAX MAXIMUM LENGTH OF DATA MESSAGE BLOCK TEXT TNAME TERMINAL NAME

# A.3 ACRONYHS

AIP APPLICATION INTERFACE PROGRAM
IAF INTERACTIVE FACILITY
NAM NETHORK ACCESS METHOD
RBF REHOTE BATCH FACILITY
TAF TRANSACTION FACILITY
TIP TERMINAL INTERFACE PROGRAM

E.O.10100. EXPRESS 11 DSD1 - V2.0 79/10/30. 15.19.35. PAGE 0000000 CH 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. NOS 1-8J03T/R28. NOS 1.4 STUDY DUMP. D T GPM T= +5 DL/ 0000004 60207776000000035670 57206020576000000000 00010016000756330000 00072464000757060006 P C. .P P. ANG,O GT G.F.F.  $0000020 \ \ 00000000000000000760 \ \ 23312324051555000000 \ \ 0000000000103301700 \ \ 00000000000000003033$ G SYSTEM ACXO ΧO 0000024 0000000000176052621 000000000000000000 0000000004244353544 00000000111021202736 A EVQ 79229 IHQPH3 0000030 55344157353657363357 55424450334350344257 55513640525503310205 22553442375523501655 16.23.30. 79/08/17. (35) CYBER 174 S/N 0000034 41353355031423105700 000000000000000000000 16172355344643123336 24502235025700000000 620 CLSH. NOS 1-8J03T/R2B. HD1 A BCCA JW1 J SRB CQ 0000050 000000000000005520 00000234257717455000 30766010301005743001 34131442341214610200 BLU O+/ X HXHE XAIKL71JL B PX Z D-D N DZT D DYZ D3G C IA Ω HZ. BC6 KAA G F OK 7P A DAK 5XH AK H 1162 A F UPR N. 2KNP 82 FNTLIST  $0000200 \ 00006613015424000000 \ 00076000000001000001 \ 00020500000053000000 \ 70070000015152000000$ A BE • G A()  $0000204 \ 0000000007121017002 \ 0000000000135000040 \ 0000020000001000100 \ 00000000000542000074$ QA B A2 5 B A A E 7 A)B A EU TIMP E A2 0000220 2000000000007600205 1101065555555000000 0077777600000000000 00000616000000040000 P G BETAF A EVP 0000230 55160524271722135503 17161605032405045700 0000000000000000 55270111241116075506 NETWORK CONNECTED. WAITING F APGNJ/5 CE 4 BE4 0000270 000000000000000000 62250000000000000 00004000000701410152 00054035403500010001 GA6A) E5252 A A 0000330 22052425221656110106 05305755000000000000 17162327513452550000 17162327513652550000 RETURN, IAFEX, ONSW(1) ONSW(3) 0000334 17162327514052550000 17162327514152550000 27101114055624222505 56141717205700000000 UNSW(5) DNSHE61 WHILE, TRUE, LOOP. 0000340 11010605305700000000 11010605303557550000 23131120561417172034 5755000000000000000 IAFEX. IAFEX2. SKIP, LOOP1. 0000344 05301124575500000000 11010605303557550000 05160411065614171720 3457000000000000000 EXIT. IAFEX2. ENDIF . LOOPI. 0000400 00003206025562000000 00116600000001000001 00071400004310000000 70070000002603000000 ZFB I A A GL BH ٧C 

u c

8G C D

E,0,10100.

CM

RA =

0000000

ΗI 0000414 00100434000176052566 0000000000000000574 24111520000500002601 00000000000000001750 HD1 A FU E TIMP E VA 0/ 0000420 2000000000011660714 2401065555555500000 0072777200000000000 00000321000000010000 P I GLTAF A EVN 0000430 25031523565555553433 37435740424113251623 57000000010050263014 54157776340314043404 UCMS, 1048.576KUNS. A /VXL=M 1CLDID 0000434 37040712300335031012 0000000000000000000 112401231300000000 00000000000000350000 4DGJXC2CHJ ITASK 0000450 00000000000000000000 00000051052173200000 3134410000000000365 000000000000000000 (EQ P Y16 4 1 4 0000464 00000000000040000000 00022033000000000000 000000000000130000 000000000000000000005 BPO 0000470 0000000000000004076 6107000000000000000 0000000001201630170 00014135413500010001 5 G JA A A6262 A A ATS 0000540 4755555555555555555555 24550155065503551455 2355105555555555555 555555555554700000000 + 0000554 27221124052251172524 20252452000000000000 17162327514052550000 17162327513752550000 WRITER(DUTPUT) 0000560 2206145634353333333 57550000000000000000 24010616011534570000 0415045700000000000 RFL,120000. 0000564 04150451335636424242 4242525500000000000 24010616011535570000 07172417513552550000 DMD(0,377777) TAFNAM2. GOTO(2) M H4 Q AAOK A LY LZ G BD CC  $0000604 \quad 00000000005127012706 \quad 0000000000164013025 \quad 0000060000001002561 \quad 00000000006745013025$ ( HAHF A AXU F A U +AXU Ð AL RCL 0000620 2002000000021660155 16011555555555000000 0074777000000000000 00000321000000010000 PB Q A NAM CQ A EVO 0000630 14111605005514353755 5555556051656353756 01345616170405365555 00000000000000000000 LINE L24 •EN•24•A1•NODE3 0000634 43000002000000501510 00000000000000000000 22552324172201070555 51031552575555000000 8 B /MH R STORAGE (CM). ALI-9C CGT5 4 C/4 IA A DOLGL B A S \* 0000740 05242717221355101723 24552022170722011523 00000000000000000 07052451162354121702 ETWORK HOST PROGRAMS 0000744 16235603235412170203 23561626065412170216 26065624260654121702 2426065200000000000 NS+CS=JOBCS+NVF=JOBNVF+TVF=JOBTVF) 0000750 22172524055116235604 03541116561724542331 1724525500000000000 22172524055103235604 ROUTE(NS,DC=IN,OT=SYOT) 0000754 03541116561724542331 17245255000000000000 22172524055116260656 04035411165617245423 C=IN.OT-SYOTI

0000760 31172452000000000000 22172524055124260656 04035411165617245423 3117245200000000000 YOT) ROUTE(TVF,DC=IN,DI=SYOT)

RA = E,0,10100. EXPRESS 11 DSDI - V2.0 79/10/30. 15.19.36. PAGE 3

RA = E,0,10100. 0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N	EXPRESS 11 DSDI - V2.0 79/10/30. 15.19.36. PAGE 3 620 CLSH. NOS 1-8J03T/R2B. NOS 1.4 STUDY DUMP.
0000764 22061451364033333352 00000000000000000 161120570	
0001000 0000000000000000000 00273500004156062002 000064000 0001004 000000004057777776 00000000004057777776 00001000 0000000000000000 0000000 000000	777776000001 0000000777776000000 5. 5. H A 00515364001 0000000000000000000 = VRXEM35AJ1, =ZHJ1,= VRXEM35A 043210123456 00000000000000000000 H J1, =ZHJ1, 00000000000 00077766010003270620 P H2 CU10AAB AA G A CHFP
0001034 .0000000000000000000 00005700000006012324 565520059	62733345623 37373333562534415503 . FAST, PE,WO1,S4400,U16 C
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7777777777 00007777770000000022 B1P D/ B47 R R 97770000000 00000000000000000
0001110 0000000000000000000 0000000000	0000000000 0000000000000000000000000000
0001130 0325345700000000000 15170405513352000000 032534570 0001134 0415205700000000000 04152051333341373333 52000000 0001140 55220524252216511725 2420252452000000000 00000000 0001144 0000000000000	00000000000 05301124570000000000 CU1. MODE(0) CU1. EXIT. 00000000000 11065105065417040552 DMP. DMP(006400) IF(EF=ODE) 00000000000 000000000000000000 RETURN(OUTPUT)
0001200 0000000000000000000 00305400001654000001 000023000 0001204 000000001667000001 0000000777776000001 000012000 0001210 000000000000000	001676000000 0000000001675777776
0001250 0000000427020456164 00000330032053263400 000010400 0001254 02342000175000000000 00000235520000002102 777777777 0001260 0000777770000000000 00007777000000000	7777777777 00007777770000000010 B1P 0/ B2) QB H 77770000000 0000000000000000000000000
0001310 000000000000000000 000000000000	
0001330 15220757000000000000 15170405513352000000 152207570 0001334 0415205700000000000 04152051333335363333 520000000 0001340 55220524252216511725 24202524520000000000 000000000 0001344 0000000000000000000 000000000000	0000000000 11065105065417040552 DMP. DMP(002300) IF(EF=ODE)
0001400 0000000000000000000 00321700001731000001 000021000 0001404 0000000237405000001 00000000254275000000 000014000 0001410 0070000000000000000 11505230632503220775 770000000	01732365577 0000000001727777774 S E A U7 L 023 OW

0000000 CM 16.23.30	). 79/08/17. (35) CYBER 174 S	N 620 CLSH.	NOS 1-8J03T/R28.	NOS 1.4 STUDY DUMP.	•
0001420 20000000000032170023 0001424 00000000000176052610 0001430 5500000000000000000	0 00000000000000000011 000000 0 01143033010101000000 0001010 0 0000000000000	00000000000000 0010021 0000000000000 0000000 0000000000	0010003363166 P A	O GALXOAAA AA Evh	B5 WU*L) XB HBHA C3Y
0001454 0234200017500000000 0001460 0000777777000000000 0001464 000000000000000000 0001470 0000000000000000000 0001474 01010101000000000000	00000337251162016400 0000078 00000235520000002102 777777 00007777000000000000 3777000 0000000000	77777777777777 0000777 00377700000000 0000000 0000000130000 2331232 00000301330142 4001411	7770000000007 B1P 0/ 0000000000000 4051530377777 5411500010001 777777777777		3 3 G G Systemx4 Da75a6m6m a a
0001510 0000000000000000000000000000000	000000000000000000000000000000000000000	00000000000000 3777777 00000000000000 0000000	7777777000000 0000000000000		4
0001534 041520570000000000000 0001540 55220524252216511725 0001544 00000000000000000000	15170405513352000000 0114305 04152051333335343333 5200000 24202524520000000000 0000000 0000000000000000000	00000000000000 1106510 00000000000000 0000000 0000000000000	5065417040552 DMP. 0000000000000 RETURN 0000000000000	MODE(O) ALX. DMP(002100) (OUTPUT)	EXIT. IF(EF=ODE)
0001600 00042001000001000000 0001604 00000000001222000020 0001610 000000000000000000000000000000	0000000000160000001 0077770 00000000377701044556 0000000 000000000000000000000 0000000 03232533010105000000 0000000 0000000000000000000	0001601001600 7007000 00045764042121 0000000 00000000377700 0000000 0000000000	0001256377700 DPA A 0045763001600 JR 0000000045756 0005401000000 -A 2010003155173 5 4 0000000000000	N A NA P 4 AD+, D. D F 4	199 D. N
0001650 00000000426472706156 0001654 0234200017500000000 0001660 0000777777000000000 0001664 000000000000000000 0001670 000000000000000000 0001674 0101010500000000000000	00000317547501006000 0000100 0000024360000002710 7777777 00007777000000000000 3777000 0000000000	00000000000000 0000360 7777777777777 0000777 0377700000000 0000000 0000000130000 2331232 0000301330142 4002400	7770000000014 B1P 0/ 0000000000000 405153037777 1400100010001		3 3 L SYSTEMX4 A7585A5A A A
0001714 00000000000000000000000000000000	000000000000000000000000000000000000000	000000000000 0000000	000000000000		4
0001730	15170405513352000000 0323255 0415205133353333333 5200000 2420252452000000000 0000000 00000000000000000000	7000000000000 0530112 0000000000000 1106510 0000000000000 000000 000000000000 000000	4570000000000 CSU. 5065417040552 DHP.	MODE(0) CSU. DMP(020000) (OUTPUT)	EXIT. IF(EF=ODE)
0002000 000000000000000000000000000000	00417700001656000001 0001000 00000000006603000000 0000200 000000000000000007064 2033507 52772552520077005277 0315502 03152533010110000000 0001010 00000000000000000	0001666007064 7000000 0001657001747 0000000 3235667302045 0000000 1677325747064 0000000 0000000000000 0010001 000000000	0001651007700 00000000000000 0000000000000 PO/ S, 5010003336136 P 000000000000000 A	6 N, AA N I C P N. PO/ S, X XP+) U)	
0002050 00000000442275743356	00000335422672343000 0000074	000000000000 0000360	0003600000000 9R	0, C27V 1X G5	3 3

E. 0. 10100. EXPRESS 11 DSDI - V2.0 79/10/30. 15.19.36. 0000000 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. NOS 1-8J03T/R2B. NOS 1.4 STUDY DUMP. 0002054 0234200017500000000 0000024000000002330 7777777777777777 00007777777000000015 BlP 0/ R 5 SX K SYSTEMX4 5 CA0A75A6U6U A A 0002130 03152557000000000000 15170405513352000000 031525570000000000 05301124570000000000 CMU. MODE(O) CMU. 0002134 0415205700000000000 0415205133343333333 5200000000000000 11065105065417040552 DMP. DMP (010000) IF(EF=ODE) 0002200 00000000000000000000 00427700002506000030 00002700002526000010 70000000002625000020 7 UF X W UV H VU P r R UU UV U6 0002220 2000000000042770027 22011633010104000000 00010100000000000 00100015010003466775 P 7 WRANDAAD H MA C-A EVJ  $0002250\ 00000000454146044477\ 00000350341317432400\ 0000112000000000000\ 00003600003600000000$ +6-D9 C/1KO8T 3 3 0002254 02342000175000000000 00000235520000002102 77777777777777777 00007777770000000013 B1P 0/ 821 Q8 K SYSTEMX4 5 CAOA75A6N6N A A 0002330 22011657000000000000 15170405513352000000 220116570000000000 05301124570000000000 RAN. MODE (O) RAN. EXIT. 0002334 0415205700000000000 04152051333335423333 520000000000000 11065105065417040552 DMP. DMP(002700) IF (EF=ODE) 0002400 00011336002252000000 00432600000001000001 00055700000065777765 70070000013044000000 AK3 R) BY A A E. G AX9 0002404 0000000000114000002 0000000002452000450 0000240000001026072 0000000012706777001 AL B T) D/ T AB AHF A BGFP NUCLEUS 0002414 01000000000351043403 000000000000000000 14042120000000012703 00000351000352043403 A CIDIC LDQP AMC C( C)DIC 0002420 10010000000043260557 01141531333537030000 00307000000000000 00100441010000027771 HA 8VE.ALMY024C X HD6A B 0002450 0000000004707630642 00000002452211750000 05034620000000001502 0000360000360000001 **\***G F7 8+RI EC-P MB 3 3 A 0002454 02342000175000000000 00000261640000004514 77777077777777777 000077777770000421016 81P 0/ B +L 7HN T, EB44 0002464 0000000000000000000 05000000411107000000 000000000000136044 01043533333300002663 F 61G K 9AD2000 V 5 AAZAZ CG A 0002474 0102220700000000000 00003246777776007777 00001552777713467330 00000000002700002555 ABRG Z ---M) K- X

5

RA = E,0,10100. 0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. DSD1 - V2.0 79/10/30. 15.19.36. PAGE NOS 1-8JO3T/R2B. NOS 1.4 STUDY DUMP.

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000251 000251	0 0000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	00000005677572611400 000000000000000000000			E L
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000260 000261 000262 000262 000263	0 000000000000000000000000000000000000	00000000002073126662 000000000000000000000 00000000000	0000260000200700000 0000000000000000000 00000000	00000000000157002076 0000000000206700000 000000000000	PL P (8 SFS) A EVK	P J V I	PQ L PIGB PG A.P P PA H MA C\$ K
000265 000266 000266 000267 000267	0 00000000462452356716 4 02342000175000000000 0 000077777700000000000 4 0000000000	00000235520000002102 00007777000000000000 0000000000	77777777777777777777777777777777777777	00007777770000000010 000000000000000000	2	92) QB 4 4	3 3 H K SYSTEMX4 AOA75E5A5A A A
000271  000273 000273	0 000000000000000000000000000000000000	00000000000000000000000000000000000000	00000000000000000000000000000000000000	00000000000000000000000000000000000000	DMP. DMP	E(0) FST.	EXIT. IF(EF=ODE)
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0003056 0003056 0003066 0003066	0 11065157161724575106 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000000000000000000000000000000000000	014433200000000000502 7777777777777777777 203706002037000000 0000000000000132746	00000000000000000000000000000000000000	BLP O/ B	5#G1H A90P 3H Q5 T, A3P4F P4	EB 3 A
0003104	01032431000000000000 0000000000000000000000 0000	40400000000000000000 00000000000000000	000000000000000000000000000000000000000	00000000000000000000 00000000000000000	ACTY Z	- 5 0	L0/U W E

RA = E.0.10100. EXPRESS 11 DSDI - V2.0 79/10/30. 15.19.36. PAGE 7 0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. NOS 1-8J03T/R2B. NOS 1.4 STUDY DUMP. 0003134 56061454433357550000 22061456413333333357 0000000000000000 21255755000000000000 ,FL=80. RFL . 60000. 0003140 11065157161724575106 11140551240120053556 01235252525507175524 17563401020357550000 IF(.NOT.(FILE(TAPE2.AS))) GO TO.1ABC. 0003144 16170530112457550000 20252207055605201424 0120345700000000000 17160530112457550000 NDEXIT. ONEXIT. PURGE, EPLTAP1. 0003150 22052425221656052014 24012034575500000000 04050611160556052014 24012034575500000000 RETURN, EPLTAP1. DEFINE, EPLTAP1. 0003154 22052711160456475755 00000000000000000000 03172031562401200535 56052014240120345755 REWIND. . . COPY, TAPE2, EPL TAP1. 0003160 0000000000000000000 03011414512205201435 5255000000000000 34010203560317151505 CALL (REPL2) LABC, COMME EXIT. 0003200 00010664025000000000 00600200000001000637 0000000010215000000 70070000007556015667 A F4 ABM G . A . 0003204 0000000010437000050 0000000010222015667 00003200000001000055 00000000010216000033 AD4 / ABRA, Z ABN 0 SSCP ( -SSCP (-SSCP ( -В HFOA С  $0003250 \quad 0000000003650773700 \quad 00000002627261076000 \quad 0044310000000000053 \quad 00003600003600000000$ 91 3/ 4 **5** 3 3 0003254 0234200017500000000 00000242640000002614 777777777777777777 000077777770000000134 B1P 0/ VL. B 7 Al 4 B/4 **#** B KA A 5A . 5 0003330 162356244242423357 00000000000000000000 03100122070556565616 2357000000000000000 NS,T77770. CHARGE ... NS. \*\*\*\*\*\*\*\*\*\* 0003340 1617220522516570000 16170530112457550000 23052451223654335255 0000000000000000000 NDRERUN. NOEXIT. SET(R3=0) LOOP UNTIL ENTIRE NETWORK TERMINATES. 0003354 27101114055622365433 56220523240122245755 0000000000000000 22061451354033333352 WHILE.R3=0.RESTART. RFL(25000) 0003360 00000000000000000000 1623575500000000000 04112320140131510506 52555555555555555555 DISPLAY(EF) NS. 0003364 11232014013155052222 17225506140107570000 17060623275134563556 365637520000000000 ISPLAY ERROR FLAG. UFFSW(1,2,3,4) 0003400 00003365004156000000 00600200000001000001 00012000000124003650 70070000000122010675 0 6. A A AP AT 3/ G ARAF 3(AF AJANA 1 A ) AJ SX JB AF DI BAF AQRCL 10 0003420 20020000000060020120 01013231333337030000 00307000000000000 00100443010000004621 PB BAPAAZYOO4C HD8A  $0003450 \quad 0000000000221447115 \quad 00000000063243505000 \quad 003032200000000056 \quad 00007400003600000001$ BQ9 M FZ8// XZP 3 0003454 02342000175000000000 00000245500000003100 777770777777777777 000077777770000004666 B1P 0/ B + / Y T, CUP4 P4 В KP-CJML47 S AAZAZ 0003474 01032730000000000000 00003246777740007777 00001757777714176225 0000000002700000555 ACMX 2- 5 0. LO U 5 A 5

C - 1 = 95

IFE..NOT.FILE(DAYL,A

0003600 0000000000000000000 00632200003426000001 0002000003432000004 70000000005301002733 R 1V A B 12 D SA HO 0003604 0000000002321000005 00000000002322000022 00003600003525002777 00000000010733000101 SQ E SR R 3 2U H AGO AA 0003610 77000000000000000000 46555500213650312042 55060107161551342640 67777400040000012003 Q3/YP7 FAGNM(1V5 D APC G FAGNM(1V5 0003620 2000000000063220200 03243633010106000000 00011000000000000 00100440010003203544 P RB CT30AAF HD5A CP29 A EVM 0003650 00000000426271055361 00000317406572540400 000017200000000000 0000360000360000000 7 Es CO5 = D 88 WH K SYSTEMX4 5 CAOA75D5B5B A A 0003730 03243657000000000000 15170405513352000000 0324365700000000000 05301124570000000000 073. MODE(O) CT3. EXIT. 0003734 04152057000000000000 0415205133353333333 52000000000000000 11065105065417040552 DMP. DMP (020000) IF(EF=ODE) 0004000 00024476005335000000 00652200000001000001 00000000022174777755 7007000000002021763 B9 \$2 RAA 880 BQYB/C B 68 M 5 A OOFY-Y-53MP DENDP HFN 0004030 00000000000000000000 55445742443525162423 57000000250503205655 55555555555553757403337 9.792UNTS. UECP. UE  $0004050 \ 00000000000565433134 \ 00000000206165454000 \ 003130000000000005 \ 00007400003600000002$ E 8Y1 P +5 YX 0004054 02342000175000000000 00000234200000001750 777770777777777777 00007777770000047732 B1P 0/ B1P 0/ D Z T. AOP4 P4 0004064 0000000000000000000 000263670000000000 777777777777777777 2202063700000210233 RBF4 QBO EA6A6 0 L0 5 H4P 0004130 14172205165624424242 57550000000000000000 25230522512202063752 0000000000000000000 LBREN,T777. 0004134 03100122070551423440 43564213160244334333 52550000000000000 0624165700000000000 CHARGE(7158,7KNB9080) FIN. 0004140 14071757000000000000 16541523231211245616 015700000000000000 11060556571617245706 LGD. IFE. . NOT. F 0004144 11140551040131345601 23525625230522161735 570000000000000000 07052456040131345025 ILE(DAY1,AS),USERNO2. GET, DAYL/U 0004150 16541523061411025616 01570000000000000 05160411065625230522 161735570000000000 N=MSFLIB,NA. ENDIF,USERNO2.

0004154 05160411065625230522 1617345700000000000 11060556571617245706 11140551040131345601 ENDIF, USERNO1.

RA -E.0.10100. EXPRESS 11 DSDI - V2.0 79/10/30. 15.19.37. 0000000 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. NUS 1-8J03T/R2B. NOS 1.4 STUDY DUMP. 0004160 23525616172406160457 0000000000000000000 22052605222457550401 31345516172455061725 S),NOTEND. REVERT. DAYL NOT FOU 0004164 1604570000000000000 05160411065616172406 160457000000000000 30050411245604013134 ND. ENDIF . NOTEND. XEDIT.DAY1 0004200 00003306050000000000 00713000000001000221 00024400002727000013 70070000002476000016 OFF A BQ B9  $0004204 \ 00000000003151000013 \ 00000000002734000010 \ 00004200000001000001 \ 00000000002730000013$ W1 H 7 WX K SSCP CY SSCP CYSSCP CY 0004220 2000000000071300244 22020655555555000000 0072776700000000000 00000775010000020227 P XB9RBF GA BBH A EU 0004230 25031523565555553433 37435740424113251623 57000000010050263014 54157776340314043404 UCMS, 1048.576KUNS. A /VXL=M 1CLD1D 0004234 37040712300335031012 0000000000000000000 22552324172201070555 5103155257555500000 4DGJXC2CHJ R STORAGE (CM).  $0004250 \quad 000000000000000000000 \quad 00000034062613652000 \quad 67270400000000005 \quad 000000000000000000$ 1FVK P WD Ε 4 E 4  $0004270 \ 00000077000000000260 \ 62530000000000000000000000000401420162 \ 00024137413700010001$ DA7A B6464 A A 0004330 23251156354237425755 000000000000000000000 2206145140333333352 0000000000000000000 SUI,2747. RFL(50000) 0004334 27221124050651220206 22171414525555555522 02065506145522171414 17252455061114055755 WRITEF(RBFROLL) RBF FL ROLLOUT FILE. 0004340 00000000000000000000 22020635203357550000 02050711165617060620 221703561706062022217 RBF 2PO. BEGIN. OFFPROC. OFFPRO 0004344 03562202065700000000 17252457000000000000 03140501225700000000 05301124575500000000 C.RBF. OUT. CLEAR. EXIT. 0004350 0415205700000000000 0415045134333333333 525500000000000000 02050711165622020620 DMP. DMD(100000) BEGIN, RBFP 0004354 22170356220206202217 03570000000000000000 02050711165617060620 22170356170606202217 ROC, RBFPROC. BEGIN, OFFPROC, OFFPRO EXIT.  $0004400 \ 00001470002334000000 \ 00737400002334000001 \ 00002400000410000000 \ 70070000002303000012$ L SI 51 A T DH SC J F D н н 9 AA A5 RCL TMAGNET A EU 0004434 00000000000000000000 00002334000014747374 20475504112320140131 00000100264050006456 SI L P\* DISPLAY A V5/ , 9 (CIP Đ 5 AAYA1 0004530 15010716052457550000 15010716052434570000 05301124575500000000 15010716052434570000 MAGNET. EXIT.

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HFA A

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EXPRESS 11 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH.

 $0004600 \quad 00000000000000000000 \quad 0074200000000000000 \quad 000023000000000000 \quad 700700000000000000$ 

0004630 55355502250606052223 55010324112605570000 01001756140034453457 16553333565533335700 2 BUFFERS ACTIVE. A O.L 1+1.N 00, 00. 0004634 000010140455333335700 00001227340000120000 11475504112320140131 57000000304412010413 

0005000 00001177031600000000 00744300000001000001 00033400003570003571 70070000031600003571 0005004 0000000003420000004 0000000000704003411 00005000000001024145 0000000000106000244 

0005020 20010000000074430334 23241555555555000000 0060776100000000000 00001006010000017774 PA 0005030 55171614111605554055 03222455405520221116 24553355220501045533 5500000000000000000 ------

 $0005050 \quad 000000000000000000000 \quad 00000106605470430000 \quad 231150000000000015 \quad 0000000000000000000$ 0005070 40000177000000000511 61470000000000000000 0000000001301530170 00014153415300010001 5 A 

0005130 47550422172057550000 16172205222516570000 47552205212505232456 17205703100503135505 + DROP. 0005134 2155374000000000000 22052425221651172052 0000000000000000 23251156354237425755 Q 45 0005144 34564755000000000000 23052451050654335255 0000000000000000 22052425221656232405 1,\* 0005150 15172524575500000000 23240515561614543437 5621575500000000000 22061456414033333357 HOUT.

0005154 000000000000000000 47550516202256363357 0000000000000000 11065151232734570521 0005160 57335257011604575123 27355705215734525220 17232405155114540152 0000000000000000000 .0).AND.(SW2.EQ.1))POSTEM(L=A) 0005164 11065151232734570521 57345257011604575123 27355705215733525220 17232405155114540252 IF((SW1.EQ.1).AND.(SW2.EQ.0))POSTEM(L=B) 

P SBATCHIO 110 AD A B HLD OO. JWI J I+ DISPLAY. X9JADK

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8 A A C1 2 2 G CN 2 1P D GD 11 / A86+ AF B9 2RCL 11

8C1STM A EU ONLINE 5 CRT 5 PRINT O READ O

> AF = 8 SI/ ĸ KASA A6S6S A A

NORERUN. + REQUEST, OP. CHECK E RETURN(OP) SUI,2747. ATTACH, STEMFIL. NOEXIT. SET(EF=0) RETURN, STE STEH, NL=14,Q.

RA = E,0,10100. EXPRESS 11 DSD1 -- V2.0 79/10/30. 15.19.37. PAGE 11 0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. NOS 1-8J03T/R2B. NOS 1.4 STUDY DUMP.

0000000 CM 16.23.30	. 79/08/17. (35) CYBER 174 S/	'N 620 CLSH.	NOS 1-8JO3T/R	228. NOS 1.4 STUDY DUMP.	
0005204 00000000010742011010 0005210 77777777777700000000	00000000041754000001 0077770 5700000005561044232 0000520 00000000000000000000 0002014 000000000000000000645 0000000	00041752010760	00000000005561000070 0000000000000000000001	D7ZAHL DD= A F AG7AHH• D7Z J DDJAG BAB T GPB F• A	AG5 9
0005220 00020000000000007777	23312324051555000000 0100777	77000000000001	00000000000000000000		
0005230 55031005031320171116 0005234 05045700000001005020	24550317152014052405 5700000 04230455270111245515 2422570	00552331232405	00005522050317260522 02005744301005720100		ECUVER XHE A
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	77777777777777777777 0001413			A6363 A	5 B G
	000000000000000000000000000000000000000			. 4	
	55160401550425152055 0116011 55030320551001142455 3434000			1 CP3441L NDA DUMP ANALYSIS - ARH D SHOP CCP HALT 11	CLOSE BJ
0005354 00000000000000010005	0000000000000000000 0000000 0000000000	20000000000212	00000000000000000000	A BJDUMP A E T CIOP BJ	
0005364 000000000000000000000	04112333020427000000 0075776 000000000000000000000 0411235	7000000000000	00000000000000000000	H	A
0005374 000000000000000000000	04251520560454200556 1402541 000000000000000000000 0000000 00464200000176052621 0000000	000000000000000	00000000000000000000		001
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0005440 00000000000000005630	00000000000000000000 0000000 0000000000	22125300000001	00000016025400000027	•X 1MTRJ\$ A N •N=O»	0.002 B= W 0.002
0005450 00000000000000005610	0000000000000000000 3415242 00000000000000000000 555555	2517100040001	00000043000700420026		G 7 V
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0005504 00000000000000000000	000000000000000000000000000000000000000	00000000000000	55555555553357333334	CT30AAF A H  OAPS A I O 7 \$ 2 G A6NB I 7	R 0.001
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0005524 00000000000000000000	0000000000000000000 0000000 00000106471203541073 3415242	000000000000000	55555555553357333334		0.001
0005534 00000000000000000000	0000000000000000000 0000000 00610701004100061011 2101202	00000000000000	55555555553357333335		0.002 R
0005550 20112003000000000134	0000000000000000000 0000000 0000001412701615350 0005000	1412701620000	00000042005300270021	PIPC A1 A6HA \$/ E A6HA 7	THOPW2
	00000000000000000000 0000000 00610100003503011073 0311171				E.A F R

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0.005 0.002 0005570 34030423000100000000 000000000000000000000000 21012023000100000145 00000043005300240023 1CDS A QAPS A A+ 8 S T S 0.002 0005600 14042152000000012703 00330100000200010024 00240003612303420005 00020044042700120021 LDQ) ANC OA BATT C SC7 E B 9DN J Q IHQPW3 INTRJS A F B B 0.001 0005620 34150103000205011552 00447350750000010000 00050001420600010000 00000042010300000000 IMAC BEAM) 9 / A E A7F A 7AC 0.005 0.002 P 1/T BH TB 1 C 0.001 A5A7 DI C./ 6A 0005644 00036050004101000000 00054112411200010000 00036150003401000000 00044122412201520000 C / 6A E6J6J A C / 1A D6R6RA1 C / KA C / KA C / KA 0005664 00037050005201000000 00024152415200210000 00037150001501000000 000000000000000000 C / JA 86161 0 C / MA C / A C / KA C / 4A DA/ 2A DIYIY A 0005710 00040250006201000000 0000000000000000000 00040750021304000000 00014002421102610000 DB/ A DG/BKD A5B7IB DK/ 9A A5C6 FQ RDHC GE DQHE GE DQH 0005724 42002021000004111163 42002120000004111250 420021200000004131335 42002422000004111422 7 PQ DII 7 QP DIJ/7 QP DKK27 TR DILR 0005730 00000010000004237000 46002423000004121507 42000507000004211575 42000705000004211664 H DS - TS DJMG7 EG DOM 7 GE DQN 0005734 42002021000004121753 46002423000004112041 46002423000004112126 46002423000004112213 7 PQ DJOS- TS DIP6- TS DIQV- TS DIRK 0005740 46002224000004112300 46002422000004112365 46002322000004122452 46002322000004112540 - RT DIS - TR DIS - SR DJTJ- SR DIUS DJVU - SR DJWK DIXA - TS DIX - QP DJYS 0005754 47000507000004123241 47000705000004123327 46002422000004113415 46002322000004113502 \* EG DJZ6\* GE DJOH- TR DIIM- SR D128  $0005760 \quad 20000000003064247002 \quad 2000000010064240001 \quad 20000002010024242000 \quad 00000004000063247000 \quad P$ X T BP A T AP BA TTP D ı 0005764 00030001000216207001 00000006000256207001 00240004000023057000 00000012000003224000 C A BNP A F B, P A T D SE J CR5  $0005770 \quad 00003213000016240400 \quad 00003213000015240401 \quad 00003213000015240402 \quad 00003213000015240403$ ZK NTD ZK MTDA ZK MTDB ZK MTDC 0005774 00003213000015240404 00003213000055240405 00003213000055240406 00003213000055240407 ZK HTDD ZK TOE ZK TDF ZK TOG 0006000 00003331000016244220 00003331000016244221 00003331000016244222 00003331000016244223 OY NITP OY NITO OY NT7R OY NT7S 0006004 00003331000016244204 00003331000016244205 00003331000015244206 00003331000015244207 OY NT7D OY NT7E OY MT7F OY MT7G 0006010 00230012000003207000 00230012000014203000 00000012010614202400 00000012000014245600 S J CP S J LPX JAFLPT 0006020 23312324051500011600 00014004400400010005 26011411042532001300 0013567700000000005 SYSTEM AN A5D5D A EVALIDUZ K K, 0006024 23011426413500001300 00134014000000000005 22233004413500001300 0013401600000000005 SALV62 K K5L ERSXD62 K K5N 0006030 22233026413500001300 0013401500000000005 01120321032015020240 00055231000022127600 RSXV62 K K5M EAJCQCPMBB5 Ely RJ 0006034 11162025240000010013 00054001400100020005 11162025240000010011 00014116411600020005 INPUT A K E5A5A B EINPUT A I A6N6N B E 0006040 11162025240000010006 00014115411500020005 11162025240000010007 00024001400100020005 INPUT A F A6M6M B EINPUT A G B5A5A B E 0006044 11162025240000010004 00044001400100020005 11162025240000010017 0004400240020005 INPUT A D D5A5A B EINPUT A D D5B5B B E 0006050 11162025240000010005 00054002400200020005 11162025240000010010 00014117411700020005 INPUT A E E5858 B EINPUT A H A6060 B E 0006054 03242201010125010400 77024150000000030100 34111723010112000023 000000000000000000 CTRAAAUAD B6/ CA 1105AAJ S 0006060 34152422010113000022 0000000000000000001 22141517042300011600 00024162416203750707 1MTRAAK R ARLMODS AN B6 6 C GG 0006064 04112333010126000400 77055026000206002262 22100620140000011600 00044275520001320707 DISOAAV D E/V BF R RHFPL AN D7 ) AZGG 0006070 20221706111402001300 0013567400000000005 01141331031417010400 77014170000100043240 PROFILB K K, EALKYCLOAD A6 A D25 0006074 04112333013116020240 00014136000027477600 34231103010217000003 00000000000000000 DISOAYNBB5 A63 W# 151CABO C 0006100 11162025244700010012 0000000000000000000 2422170200000001502 00054062473500310305 INPUT+ A J 0006104 22021001033012020240 00024151002102340200 34231102010215000002 000000000000000000 RBHACKJBB5 B6( QBIB 151BABM B 0006110 17252420252400000202 00024133413300020307 24010603142310001502 00024115411500030005 OUTPUT BB B6060 BCGTAFCLSH MB B6M6M C E 0006114 01070131031603010400 77014204000100043241 01122311333437020240 00044251000023117600 AGAYCNCAD A7D A DZ6AJSI014BB5 D76 SI 0006120 23032237000000001516 00024143414300240302 11162025244700010016 00000000000000005 SCR4 MN B6868 TCBINPUT+ A N 0006124 11010603142310001501 00024132413200020005 01120411032017020240 00054067000022157600 IAFCLSH MA B6Z6Z B EAJDICPOBB5 E5 RM

0006130 01151301020322020240 00014133000043177600 0420232200000001516 00014161416101330005 AMKABCRBB5 A60 BD DPSK 0006134 01212031032313020240 00054070000040777600 01122311333536020240 00014134000023117600 AQPYCSKBB5 E5 5 AJS1023BB5 A61 S1 0006140 01212031032313020240 00024120000040777600 11162025240000001516 00750000000000000401 AQPYCSKBB5 B6P 5 INPUT MN 0006144 32323232320407001514 00014215421500020505 34231124010231000024 0000000000000000001 ZZZZZDG ML A7M7M BEE1S[TABY T 0006150 22020731033011020240 00024153002102330200 3232323231116001514 0075000000000000001 RBGYCXIBB5 B6\$ QBOB ZZZZZIN ML 0006154 32323232321725001514 0075000000000000000 0306334200000001524 00014155415500010305 ZZZZZOU ML ACFO7 MT A6 6 ACE 0006160 11162025240000001512 0075000000000000001 17252420252400001512 007500000000000001 INPUT MJ DADUTPUT MJ DA 0006164 32323232320335001512 71055222522200020307 07222533340100001512 00024140414000010305 ZZZZZC2 MJ EJRJR BCGGRU01A MJ B6565 ACE 0006170 04013100000000001512 00024163416300010305 01151301020321020240 00014143000043177600 DAY MJ B6 6 ACEAMKABCQBB5 A68 BO 0006174 23240515172524001524 00054145527100530303 2324150000000001524 00054101410100030005 STEMOUT MT E6+) \$CCSTM 0006200 07222533340000001512 00045240524000110305 07222534000000001512 00024211421100100305 GRU01 MJ D1515 ICEGRU1 MJ B7171 HCE 0006204 01020101033013010400 77054661000100043240 140000000000001512 00024142414201760707 ABAACXKAD E- A DZ5L MJ 86767A GG 0006210 16011514170313001203 00135127512700010005 14071700000000001512 00055221522100010505 NAMLOCK JC K(W(W A ELGO 0006214 01151301020321020240 00024123000043177600 01122311333536020240 00044303000023117600 AMKABCQBB5 B6S BO AJS1023BB5 DBC SI 0006220 03063343000000001524 00024125412500010305 16011503142310001503 00024134413400040005 CF08 MT B6U6U ACENAMCLSH MC B6161 D E 0006224 34231101010213000001 0000000000000000000 0306334400000001524 00044240424001510305 1STAABK A ACF09 MT D7575ACCE 0006230 23240515061114011224 00134773477311710011 03063334000000001524 00024122412200010305 STEMFILAJT K\* \* I ICFOL MT BORGR ACE 0006234 16233333010221000140 00024160000001570001 03233333010222000140 00014206000002357500 NSOOABQ A5 B6 A. ACSOOABR A5 A7F B2 0006240 16260633010223000140 00024144000001110001 12172522330000301202 00064143414302330303 NVFOABS A5 B69 AI AJOURO XJB F6868BOCC 0006244 24260633010224000140 00014137000002500001 01132401032721000263 77044223423500670001 TVF0ABT A5 A64 B/ AAKTACHQ B D7572 A 0006250 2215120000000001502 00044007400700020005 34231121010225000021 00000000000000001 RMJ MB D5G5G B E1SIQABU Q 0006254 22020622171414001521 00044170416600360305 22020603142310001521 00054071407100020005 RBFROLL MQ D6 6 3CERBFCLSH MQ E5 5 B E 0006260 22151217223400301202 00125704570400310307 323232323442001502 00014141414100200307 RMJOR1 XJB J.D.D YCGZZZZZ17 MB A6666 PCG 0006264 13242322171414001502 00014151415100660305 22153400000000301202 00125702570302770505 KTSRULL MB A6(6( CERMI XJB J.B.CB EF 0006270 2215410000000301202 00125705570500030405 150120000000001502 00054100410000210307 RM6 XJB J.E.E CDEMAP MB E6 6 QCG 0006274 03063335000000001524 00044236423600010305 22153500000000301202 00125711571100630405 CF02 MT D7373 ACERM2 XJB J.I.I DE 0006300 22153600000000301202 00125712571200010005 03063336000000001524 00054105410500010305 RM3 XJB J.J.J A ECFO3 MT E6E6E ACE 0006304 03063337000000001524 00014154415400010305 22153700000000301202 00125713571300010005 CF04 MT A6#6# ACERM4 XJB J.K.K A E 0006310 22154000000000301202 00125715571500010005 15311001231000001502 00044161416100020015 RM5 XJB J.M.M A EMYHASH MB D6 6 B M 0006314 22154200000000301202 00125707570700010005 24012313141102311202 00064142414200440005 RM7 XJB J.G.G A ETASKLIBYJB F6767 9 E 0006320 05261200000000001502 00014142414200020005 17032401231314311202 00146556655600010005 EVJ MB A6767 B EOCTASKLYJB L , , A E 0006324 2231120000000001502 00054103410300020005 060000000000001512 00024176417600020315 RYJ MB E6C6C B EF MJ B6 6 BCM 0006330 03063340000000001524 00024124412400010305 05262401231314311202 00146563656300010005 CF05 MT B6T6T ACEEVTASKLYJB L A E 0006334 03063341000000001524 00044237423700010305 03063434000000001524 00054110411000010305 CF06 MT D7474 ACECF11 MT E6H6H ACE 0006340 22312401231314311202 00146561656100010005 03063435000000001524 00014156415601510305 RYTASKLYJB L A ECF12 MT A6.6.ACE 0006344 03063437000000001524 00054114411401450305 22050317262200001502 00014150415000020307 CF14 MT E6L6LA+CERECOVR MB A6/6/ BCG 0006350 03063433000000001524 00054106410600460305 323232320416001521 00054136521501250303 CF10 MT E6F6F -CEZZZZZDN MQ E631MAUCC 0006354 20221703061114001512 00014241424100210415 03063436000000001524 00024131413101450305 PROCFIL MJ A7676 QDMCF13 MT B6Y6YA+CE 0006360 030000000000001512 00055252525200020305 24012005360000001212 00075702536500420301 C MJ EDDI) BCETAPE3 JJ G.85 7CA 0006364 01012511333434010240 0005521300000000410 07222514110200001512 00055204520400130411 AAUI011AB5 EJK DHGRULIB MJ EJDJD KUI 0006370 01110501333340010240 00014172000000000247 1605270000000001512 00014174417400010505 A[EA005AB5 A6 B\*NEW MJ A6 6 AEE 0006374 3005040000000001512 00055260526000010005 12170207300000001512 00024214421400030315 XED MJ EL L A EJOBGX MJ B7L7L CCM 0006400 01163031021011010400 77014162000100043240 01043533073000011212 00076137613701560004 ANXYBHIAD A6 A DZ5ADZOGX AJJ G 4 4A, D 0006404 26011411042532001400 0000000000000000001 11162025244700010014 00000000000000000 VALIDUZ L AINPUT+ A L E 0006410 05201426052200011214 00135647564700010005 05201420350000001514 00045202520200020005 EPLVER AJL K+++ A EEPLP2 ML DJBJB B E 0006414 01150231333433000263 77055160520100630001 17252420252400001516 007500000000000000 AMBYOLO B EC DA AUUTPUT MN 0006424 20221706111402001400 0000000000000000001 23032234000000001516 00055127512700320301 PROFILB L MN E(W(W ZCA 

0010074 40214022402340240017 40254026402740300017 40314032403340340017 40354036403740400017 505R5S5T 05U5V5W5X 05Y5Z5051 05Z535455 0

A5 6H

RA = E,35700,76000. **EXPRESS 11** DSD1 - V2.0 79/10/30. 15.19.38. PAGE 15 0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. NOS 1-8J03T/R2B. NOS 1.4 STUDY DUMP. 0035700 24002000401000010000 24001010400400010000 02000100700000010000 0030040002000000000 T P 5H A T HH5D A B A XD B 0035710 34002400401000010000 34001400400600010000 02000100760000010000 0030040002000000000 1 T 5H A 1 L 5F A B A XD B 0035720 40003770700600010000 40043740700000010000 02000100700000010000 00300040001000000000 5 4 F A X 5 H  $0035730 \ 6774670074000010000 \ 67744000740000010000 \ 60000100770000010000 \ 00310400006000000000$ YD  $0035740 \quad 73747360750000010000 \quad 73747350750000010000 \quad 05000100770000010000 \quad 0073040002000000000$ E A D B 0035750 55334257353357353757 03011414511101060314 231052000000000000 55334257353357353757 07.20.24.CALL(IAFCLSH) 07.20.24. 0035754 22052425221656110106 0530575500000000000 55334257353357353757 17162327513452550000 RETURN, IAFEX. 07.20.24.0NSW(1) 0035760 55334257353357353757 17162327513652550000 55334257353357353757 17162327514052550000 07.20.24.0NSW(3) 07.20.24.0NSW(5) 0035764 55334257353357353757 17162327514152550000 55334257353357353757 27101114055624222505 07.20.24.ONSH(6) 07.20.24.WHILE.TRUE 0035770 56141717205700000000 55334257353357354057 11010605305700000000 55334257353357354157 ,LUOP. 07.20.25. IAFEX. 07.20.26. 0035774 16172355344643123336 24502235025755550000 55334257353357364157 55270111241116075506 NOS 1-8J03T/R28. 07.20.36. WAITING F 0036000 17225516052427172213 5700000000000000000 55334257353457333357 16011555552605225534 OR NETWORK. 07.21.00.NAM VER 1 0036004 57354655223502550000 55334257353457333357 55160524271722135503 17161605032405045700 .2- R2B 07.21.00. NETWORK CONNECTED. 07.15.33.GET.SYSED. 0036014 55334257344057363757 03011414562331230504 57550000000000000 55334257344057363757 07.15.34.CALL.SYSED. 0036020 01242401031051233123 0211165200000000000 55334257344057363757 0124240103R051230523 ATTACH(SYSBIN) 07.15.34.ATTACH(SES 0036024 02111632525500000000 55334257344057363757 22052425221651140717 5611165200000000000 BINZ) 07.15.34.RETURN(LGO, IN) 0036030 55334257344057363757 23251151353741520000 55334257344057363757 07052451132217163534 07.15.34.SU[(246) 07.15.34.GET(KRUN21 0036034 56132217163534045616 1723525500000000000 55334257344057364057 23312305041124511154 ,KRON21D,NOS) 07.15.35.SYSEDIT(I\* 0036040 23312305045603520000 55334257344057374457 23312324051555050411 24550317152014052405 SYSED,C) 07.15.49.SYSTEM EDIT COMPLETE 07.15.50. 0036050 16011555552605225534 57354655223502550000 55334257353457344257 55160524171655031715 NAM VER 1.2- R2B 07.21.17. NETON COM 0036054 20140524055700000000 55334257353457344257 26052223111716553457 355700000000000000 PLETE. 07.21.17. VERSION 1.2. 0036060 55334357403657364057 25031523565555553433 37435740424113251623 57000000000000000000 08.53.35.UCMS, 1048.576KUNS. 0036064 55343357354257363657 25031523565555553433 37435740424113251623 57000000000000000000 10.27.33.UCMS, 1048.576KUNS. 0036070 55343457404057353357 55141102220122315525 20040124050455465522 15240123131456552315 11.55.20. LIBRARY UPDATED - RMTASKL, SM 0036074 13354242335700000000 55343557344257333557 25031523565555553433 37435740424113251623 K2770. 12.17.02.UCMS, 1048.576KUNS 0036100 5700000000000000000 55343757333357334357 2503152356555553433 37435740424113251623 . 14.00.08.UCMS. 1048-576KUNS 0036104 57000000000000000000 55344057374257354257 25031523565555553433 37435740424113251623 . 15.47.27.UCMS, 1048.576KUNS 0036110 57000000000000000000 55334257353357373757 17162327513752550000 55334257353357373757 . 07.20.44.UNSH(4) 07.20.44. 0036114 22061456343533333333 5755000000000000000 55334257353357373757 24010616011534570000 RFL,120000. 07.20.44.TAFNAM1. 0036120 55334257353467333657 55233120225516172455 06172516045655012455 33414242373757550000 07-21-03. SYPR NOT FOUND, AT 067744. 0036124 55334257353457333657 55040211045516172455 06172516045655012455 33414242354257550000 07.21.03. DBID NOT FOUND, AT 067727. 0036130 55334257353457333757 55353433405555552717 22042355220521251122 05045506172255011120 07.21.04. 2105 NORDS REQUIRED FOR AIP 0036134 55141701041116075755 00000000000000000000 55334257353457333757 55011120552325030305 LOADING. 07.21.04. AIP SUCCE 0036140 23230625141431551417 01040504570000000000 55334257353457333757 55240402110455161724 SSFULLY LOADED. 07.21.04. TDBID NOT 0036144 55061725160456555501 24553342333334365755 00000000000000000 55334257353457344257 FOUND. AT 070013. 07.21.17. 0036150 55344157353557373757 14111605005514353555 55555556051656353556 01345616170405365555 16.22.44.LINE L22 ,EN,22,A1,NODE3 0036154 0000000000000000000 55344157353557404457 14111605005514354355 55555556010356354356 16.22.59.LINE L28 .AC.28. 0036160 01345616170405365555 0000000000000000000 55344157353657333657 06221715551617040536 Al,NODE3 16.23.03.FROM NODE3 0036164 55555022052355575757 15011116240516011603 05550114012215550000 55344157353657333657 /RES ...MAINTENANCE ALARM 16.23.03. 0036170 55555555201722245535 3700000000000000000 55344157353657343657 14111605005514353755 PORT 24 16.23.13.LINE L24 0036174 55555556041656353756 01345616170405365555 00000000000000000 55344157353657344257 ,DN,24,A1,NODE3 16.23.17. 0036200 14111605005514353755 55555556051656353756 01345616170405365555 00000000000000000000 LINE L24 ,EN,24,A1,NODE3 0036204 00000000000000000000 55344157344357344457 14111605005514353355 55555556041656353356 16.18.19.LINE L20 .DN,20, 0036210 01345616170405365555 00000000000000000000 55344157344357353457 14111605005514353355 Al,NODE3 16.18.21.LINE L20 0036214 55555556051656353356 01345616170405365555 000000000000000000 55344157344357353557 ,EN,20,A1,N00E3 16.18.22. 0036220 14111605005514354255 55555556010356354256 01345616170405365555 000000000000000000000 LINE L27 AC,27,AL,NODE3 0036224 55344157344457343557 14111605005514354155 55555556051656354156 01345616170405365555 16.19.12.LINE L26 ,EN.26.A1,NODE3 0036230 00000000000000000000 55344157344457373557 14111605005514353355 55555556010356353356 16.19.42.LINE L20 , AC, 20, 0036234 01345616170405365555 00000000000000000000 55344157353457344057 14111605005514354155 A1,NODE3 16.21.15.LINE L26 0036240 55555556010356354156 01345616170405365555 00000000000000000 55344157353557373457 ,AC,26,A1,NUDE3 16.22.41.

RA =

0000000 CM 16.23.30	0. 79/08/17. (35) CYBE	R 174 S/N 620 CLSH.	/1E018-1 50N / AFOT 8-1050	9/10/30. 15.19.38. R28.	PAGE 16 / DUMP.
0036244 1411160500551435355 0036250 5533425734405740345 0036254 5533425734405740345 0036264 3757334633570000000 0036264 55000000000000000000 0036270 0717570000000000000000000000000000000	7 032534570000000000000 7 03253457000000000000 0 55334257344157373557 0 55343757353557364057 0 55343757353567373567 7 77777777777777777777	55334257344057403457 55334257344057403557 550000000000000000000 550000000000	15170405513352000000 03253455552315155526 55343757353557354357 5534375735355736457 77777777777777777777777777777777777	07.15.51.CU1. 07.15.51.CU1. 4.0-0. 07.16.42. 14.22.35. 60. 14.22.42.	07.15.51.MODE(0) 07.15.52.CU1 SMM v 14.22.28. 14.22.39.
0036350 55334257344057403457 0036354 55334257344057403457 0036360 3757334633570000000 0036364 777777777777777777	7 152207570000000000000 7 15220757000000000000 0 55334257344157403557 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	55334257344057403457 55334257344057403457 5500000000000000000000 7777777777777	15170405513352000000 15220755552315155526 7777777777777777777777777777777777	07.15.51.MRG. 07.15.51.MRG. 4.0-0. 07.16.52.	07.15.51.MODE(0) 07.15.51.MRG SMM V
0036450 55334257344057403457 0036454 55334257344057403457 0036460 3757334633570000000 0036464 777777777777777777	7 01143057000000000000 7 01143057000000000000 0 55334257344157404257 7 777777777777777777	55334257344057403457 55334257344057403557 5500000000000000000000 77777777777	15170405513352000000 01143055552315155526 7777777777777777777777777777777777	07.15.51.ALX. 07.15.51.ALX. 4.0-0. 07.16.57.	07.15.51.MODE(0) 07.15.52.ALX SMM V
0036550 55334257344057403457 0036554 55334257344057403557 0036560 3757334633570000000 0036564 77777777777777777	/ 032325570000000000000 / 03232557000000000000 / 55334257344157364457 / 7777777777777777777	55334257344057403457 55334257344057403557 5500000000000000000000000000000000	15170405513352000000 032325555552315155526 7777777777777777777777777777777777	07.15.51.CSU. 07.15.52.CSU. 4.0-0. 07.16.39.	07.15.51.MUDE(0)
0036650 55334257344057403457 0036654 55334257344057403457 0036660 3757334633570000000 0036664 777777777777777777777	7 03152557000000000000 7 0315255700000000000 5 5 5 3 3 4 2 5 7 3 4 4 1 5 7 4 0 3 3 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	55334257344057403457 55334257344057403457 550000000000000000000 77777777777777	15170405513352000000 031525555552315155526 7777777777777777777777777777777777	07.15.51.CMU. 07.15.51.CMU. 4.0-0. 07.16.50.	07.15.51.MODE(0) 07.15.51.CMU SMM V
0036754 55334257344057403457 0036754 55334257344057403557 0036760 3757334633570000000 0036764 777777777777777777	220116570000000000000 22011657000000000000 55334257344157404157 777777777777777777777	55334257344057403457 55334257344057403557 550000000000000000000 777777777777	15170405513352000000 22011655552315155526 7777777777777777777777777777777777	07.15.51.RAN. 07.15.52.RAN. 4.0-0. 07.16.56.	07.15.51.MODE(0) 07.15.52.RAN SMM V
0037054 05162125112205561216 0037056 05162125112205561216 0037060 5700000000000000000000 0037064 55344157353557334457 0037070 55344157353557334357 0037074 30050411245623032256 0037100 000000000000000000000 0037114 2052425221656230322 0037110 5700000000000000000000 0037114 55344157353557363457 0037120 01043533073056445603 0037124 22171414172524563633 0037130 232457000000000000000 0037144 55044157353457364257 0037145 55334257344057403457 0037150 55334257344057403457 0037160 37573346335700000000 0037164 5500000000000000000000000000000000000	22052425221656230322 5700000000000000000000 55344157353557334457 03012414112324561417 55030124141123245603 16105601235777145001 55344157353557343357 57000000000000000000000 55344157353557343457 53012424010310560104 57000000000000000000000 5700000000000	570000000000000000000000000055344157353457364457 07172417560301241411 54065614542303225700 17152014052405570000 04353355503477740214 21000000000000000000000 55344157353557343457 22171414172524563633 35330730570000000000 5700000000000000	55344157353457364457 22171414172524563633 2324570000000000000000 00000000000000000000	16.21.39.RETURN, SCR. ENQUIRE, JN. 16.22.09.G 16.22.09.CATLIST, LO-16.22.10. CATLIST CO XEDIT, SCR. NH, AS. L/AD 16.22.10.Q RETURN, SCR. 16.22.11.R 16.22.31.\$ATTACH, AD2 AD20GX, 9, C. ROLLOUT, 30. ST. 16.21.37. XEDIT, SCR, NI/AD20GX/ X 07.15.51.FST. 07.15.51.FST. 4.0-0. 07.16.45.	16.21.39. 16.21.39.ROLLOUT.30 OTO.CATLIST. F.L-SCR. MPLETE. 16.22.10. 20 /1 BL/AD2OGX/ X
0037250 55344057404057333557 0037254 55344057404057343557	<b>- 53031001220705564234</b>	40435862381837443333	<b>336700000000000000000</b>	16 66 H3 40H400F 316	

/RES ...

/RES ...

/RES ...

PORT 1

PORT 1

15.51.13.

15.54.24.

0037414 040000000000000000 55344057403457343657 06221715551617040536 55555022052355575757 D 15.51.13.FRDM NODE3

0037424 0400000000000000000 55344057403757353757 06221715551617040536 55555022052355575757 D 15.54.24.FROM NODE3

0037434 0400000000000000000 55344157334357334057 06221715551617040536 55555022052355575757 D 16.08.05.FROM NODE3

0037440 15011116240516011603 05550114012215550000 55344157334357334057 55555555201722245534 MAINTENANCE ALARM 16.08.05.

0037450 55344157344357403657 53031001220705563435 34405640371336353641 570000000000000000 16.18.53.\$CHARGE,1215,54K3236.

0037444 040000000000000000 55344157353657333557 06221715551617040536 55555022052355575757 D 16.23.02.FROM NODE3 /RES ...

0037454 55344157344357404457 53070524560420232257 0000000000000000000 55344157344457333657 16.18.59.8GET.DPSR. 16.19.03.

0037420 15011116240516011603 05550114012215550000 55344057403457343657 555555555201722245534 MAINTENANCE ALARM

0037430 15011116240516011603 05550114012215550000 55344057403757353757 55555555201722245534 MAINTENANCE ALARM

0037550 55334257344057403457 0324365700000000000 55334257344057403457 1517040551335200000 07.15.51.CT3. 07.15.51.MODE(0) 0037554 55334257344057403457 03243657000000000000 55334257344057403457 03243655552315155526 07.15.51.CT3. 07.15.51.CT3 SMM 07-15-51-CT3 SMM V 0037650 55344157353657344257 14172205165624424242 575500000000000000 55344157353657344257 16.23.17.LOREN, 1777. 0037654 25030322565514344024 3455555655555555555555 33573642401303042357 0000000000000000000 UCCR, L15T1 , 0.375KCDS. 0037660 55344157353657344257 25230522512202063752 0000000000000000 55344157353657344257 16.23.17.USER(RBF4) 16.23.17. 0037664 03100122070551423440 43564213160244334333 52550000000000000 55344157353657344257 CHARGE(7158.7KNB9080) 16.23.17. 0037670 06241657000000000000 55344157353657354257 5555555555657373637 55032055230503171604 FTN. 16.23.27. 3.434 CP SECOND 0037674 23550317152011140124 11171655241115050000 55344157353657354257 1407175700000000000 S COMPILATION TIME 16.23.27.LGO. 0037700 55344157353657354457 55555555232417205555 000000000000000 55344157353657354457 16.23.29. STOP 16.23.29. 0037704 55555555555557364344 55032055230503171604 23550530050325241117 16552411150555550000 .389 CP SECONDS EXECUTION TIME 0037710 55344157353657354457 2505010456555555555 55335733333513251623 5700000000000000000 16.23.29.UEAD, 0.002KUNS. 0037714 55344157353657354457 2505200656555555555 55335733334013251623 5700000000000000000 16.23.29.UEPF, 0.005KUNS. 0037720 55344157353657354457 2505152356555555555 55415737444113251623 5700000000000000000 16.23.29.UEMS, 6.496KUNS. 0037724 55344157353657354457 2505032056555555555 55375740333723050323 57000000000000000000 16.23.29.UECP, 4.504SECS. 0037730 55344157353657354457 0105232256555555555 55445742443525162423 57000000000000000000 16.23.29.AESR, 9.792UNTS. 0037734 20252207055604171605 14171350251654152306 14110256160157000000 55344157344457343557 PURGE.DONELOK/UN\*MSFLIB.NA. 16.19.12. 0037740 55041716051417135516 17245506172516045655 550124553333333343534 5755000000000000000 DONELOK NOT FOUND, AT 000121. 0037744 55344157344457343557 22052605222457554704 17160547550317152014 0524055700000000000 16.19.12.REVERT. \*DONE\* COMPLETE. 0037750 55334257353357404157 03011414512202060314 2310520000000000000 55334257353357404257 07.20.56.CALL(RBFCLSH) 0037754 23251156354237425755 000000000000000000 55334257353357404257 22061451403333333352 SUI,2747. 07.20.57.RFL(50000) 0037760 0000000000000000000 55334257353357404257 27221124050651220206 221714145255555555522 07.20.57.WRITEF(RBFROLL)

0000000	LH 16	.23.30.	. 79708/17. (35) CYBE	R 174 57N 620 CLSH.	NO2 1-81031\	R2B. NOS 1.4 STUDY DUMP.
0037764	02065506145522	171414	17252455061114055756	00000000000000000000	55334257353357404257	AE EL DOLLOUT ELLE
0037770	22020635203357	550000	55334257353357404257	23240122245522020655	55260522653467364666	BF FL ROLLOUT FILE. 07.20.57. RBF2P0. 07.20.57.START RBF VER 1.2-
0037774	553744430000000	000000	55 13425 735 345 73 33 35 7	16011555552605225534	57344455553744430000	
0040000	55334257353457	333357	16052417165501030305	20240504000000000000	55343557344357344157	
0040004	25031523565555	553433	37435740424113251627	570000000000000000	, , , , , , , , , , , , , , , , , , ,	07.21.00.NETON ACCEPTED 12.18.16. UCMS, 1048.576KUNS.
0040010	7777777777777	777777	7777777777777777777777	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		nru34 1040.319KNM2.
0040050	55334257344057	403457	15010716052457550000	55334257344057403557	15244040560334365655	07-15-51 MACHET . 07-15-62 MT66-012.
0040054	24252216050455	170606	570000000000000000000	) 55334257344057403557	15244041560334365655	TURNED DEF. 07.15.52.MT56.C13.
0040060	24252216050455	170606	57000000000000000000	55334257344057403557	15244042560334365655	TURNED OFF. 07.15.52.MT57.C13.
0040064	242522160504551	170606	57000000000000000000	55334357353557333557	550000000000000000000	TURNED OFF. 07.15.52.MT57,C13, TURNED OFF. 08.22.02.
0040070		,,,,,,		' 7777777777777777777	77177777777777777777	
0040150	22052055423656	553335	57000000000000000000	55343757344457354157	02132055423556553340	REP 73, 02. 14.19.26.8KP 72, 05
0040140	56343757363763	244467	22343/2/32322/34432/	22052055423756553335	57000000000000000000	14.22.18.REP 74, 02.
0010100	2227214564227644	30773 <i>1</i> 563333	£2002000000000000000000000000000000000	5700000000000000000000	55344057333357353357	14.24.39.REP 73, 01. 15.00.20.
0040130	£7000000000000000	223333	570000000000000000000	5534405/33435/344257	22221655423756553333	RRN 74, 00. 15.08.17.RRN 74, 00
0040170	5100000000000000000	, 02 4 6 3	2205205542245/33365/	22052055423756553334	5/0000000000000000000	15.11.03.KEP 74, 01.
00401/4	2276276573654274	1034 <b>5/</b>	22002000123656553335	5/0000000000000000000	55344057363757334457	15.31.51.REP 73, 02. 15.34.09.
0040200	67000000000000000	223334	57000000000000000000000	5534415/343457404157	22052055423656553340	REP 71, 01. 16.11.56.REP 73, 05
0040204	57000000000000000000000000000000000000	000000	51000000000000000000000	5534335/334457353757	22052055423656553334	• 10.09.24.REP 73, 05
0040210	56343467343367	262262	22343327344127373357	22052055423656553334	57000000000000000000	10.16.40.REP 73, 01.
0040214	33063066433464	333737	22052055423656553335	5700000000000000000000	55343457373457364257	11.30.24.REP 73, 02. 11.41.37.
0040220	£2002000423406	223332	570000000000000000000	55343557363457403557	02132055423756553340	REP 71, 02. 12.31.52.8KP 74, 05
0040224	563434673343673	224167	0514045537403357373457	22052055423656553442	57000000000000000000	• 12.50.41.REP 73, 17.
0040230	2224202/33422/3	334137	07100457374256553334	570000000000000000000	55343657343757403457	13.07.06.END 47, 01. 13.14.51.
0040234	£2000000000000000000000000000000000000	223333	570000000000000000000	55343657344057403657	22052055423656553435	RRN 73, 00. 13.15.53.REP 73, 12
0040240	563437673433673	266262	001000000000000000000000000000000000000	22052055423456553334	57000000000000000000	13.52.41.REP 71, 01.
0040244	. 552243/7/34337/3	344357	02132055423556553533	570000000000000000000	55343757343557344457	14.10.18.BKP 72, 20. 14.12.19.
0040230	476604771770676	560000	6623436326346334433200	000000000000000000000000000000000000000	55334257353457364357	07.21.38.CALL(STM) 07.21.38.
0040254	661417661114301	250000	22334227323427364327	16172205222516570000	55334257353457364457	* DROP. 07.21.38.NORERUN. 07.21.39.
0040266	47662206212606	202900	1230530310350317251604	5/00000000000000000000	55334257353457364457	NO INPUT FILE FOUND. 07.21.39.
0040204	220624262214611	232436	17205703100503135505	215537400000000000000	55334257353457364457	* REQUEST, OP. CHECK EQ 45 07.21.39.
0040270	220324232216311	1/2052	000000000000000000000000000000000000000	55334257353457364457	23251156354237425755	RETURN(OP) 07.21.39.5U1,2747.
0040274	663343633634633	000000	77334277353457364457	01242401031056232405	15061114575500000000	07.21.39.ATTACH, STEMFIL.
0040300	5633436373634573	104457	16170530112457550000	55334257353457364457	34564755000000000000	07 21 20 NOEVIT 07 21 20 1 4
UU7U3U7	223346213234213	30447/	Z 105Z 451 050654 1 15Z55		- 55774757767467744467	A7 31 30 557466A1 A7 84 65
0040310	ZZUJZ4ZJZZ1036Z	232405	151/25245/5500000000	55334257353457364457	23240516561614542427	DETUDAL STEMBUT OF 21 20 STEW
41C0F00	2021212220000000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	77334277373477364477	<u> </u>	17030523231114075523	A A A A A STOR - BODGE CERVE C
0070320	~ 40313001114000	,,,,,,,,,,,	<b>77334677373477374177</b>	<u> </u>	25140124111714561114	TEMETI A7 31 44 CTCM CMD ATTON TO
0040330		174157 ·	000000000000000000000000000000000000000	77241115055523240115	20555455554037435554	ITIATED 07.21.46. TIME STAMP = 548 =
0040330	??? <b>??</b> {?{????{}}	)/417 <i>/</i>	00000000000000000000		777777777777777777777	07.21.46.
				יווווווווווווווווווווווווווווווווווווו	(((((((((((((((((((((((((((((((((((((((	
0040350	553441573535674	04457	01172031333441245756	22052711160464272435	36376061675500000000	16.22.59.AOPYO16T. REHIND,2123456.
0040354	553441573535574	04457	01172031333441245755	04050411140554140222	41042201626600000000	16.22.59.AUPYO16T. REWIND,2123456. 16.22.59.AUPYO16T. DEFINE,NBR6DRA.
0040360	553441573535574	04457	01172031333441245755	03172031563234353427	4041641402224104220	16.22.59.AUPY016T. DEFINE, NBR6DRA. 16.22.59.AUPY016T. COPY, Z123456, NBR6DRA
0040364	5755000000000000	00000	55344157353657333357	01172031333441346766	66061711660614021736	• 16.23.00.AOPYO16T. EOI ENCOU
0040370	162405220504570	00000	5534415735365733337	011720313333771673735	2202111122021210031/22	• 16.23.00.AOPYO16T. EOI ENCOUNTERED. 16.23.00.AOPYO16T. RETURN,Z12
0040374	363740415755000	00000	5534415735365733337	011720313333771673756	16172406611726242026	3456. 16.23.00.ADPY016T. RETURN, 212 16.23.00.ADPY016T. NOTE(OUTPU
0010100	セュンケングた ろんてだののろの	ו נטננדו	1/13/01403/4033/0000	- 77 144   7 / 17 16 7 / 1 1 1 1 1 7	N1172N31333441346766	T1/C1UCD COMDICTC 1/ 33 04 400W41/#
0010101	ひつつひた たた オンドンプロログ		JJJ44LJ/JJJ65/114/5/	01131711343433766	57707577070666700767	EVIT 14 33 07 444 40104 404005 640
0010110	717777706067667		20202422411432270000	7714417/17167/14444/	N1 133711333433346766	410 OTD(1) OTD(1) 1/ 22 11 1
0040414	531714045624051	52057	000000000000000000000000000000000000000	55344157353457343437	0117703133343324777	\$0LD, TEMP. 16.23.11.AK41010T. 16.23.12.A0PY016T.
0040420	530301141456070	52404 5	51061654160222410422	015700000000000000000	662441672624673/2667	**************************************
0040424	011720313334412	45755 0	01242401031056160222	4104220157550000000	55244157252457242457	ACDVOLAT ATTACH MONOCOCI
0040430	011720313334412	45755 2	22052425221656323435	3637404157550000000	444157363467343637	\$OLD, TEMP. 16.23.12.AOPYO16T. \$CALL, GETD (FN=NBR6DRA. 16.23.12. AOPYO16T. ATTACH, NBR6DRA. 16.23.13. AOPYO16T. RETURN, Z123456. 16.23.13.
					727777777777777777777777777777777777777	AUFTULOT: KETUKN, 2123456. 16.23.13.

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0041000 01022516565501043533 33335655161723031423 105700000000000000 55344157353657344357 ABUN, AD2000, NOSCLSH. 16.23.18. 0041004 01142531333442245755 23202007565533074222 05215655565557000000 55344157353657344357 ALUY017T. SPPG, OGTREQ, , . 16.23.18. 0041010 01142531333442245755 23202007565535074222 05215655565557000000 55344157353657353657 ALUY017T. SPPG, 2G7REQ, , . 16.23.23. 0041014 01141531333537245755 25030317565555555555 55375733444113031023 5755000000000000000 ALMY024T. UCCO. 0041020 55344157353657353757 01124031333437245755 23200124565505201423 24012456555655570000 16.23.24.AJ5Y014T. SPAT, EPLSTAT, , . 0041024 55344157353657353757 01012511333434245755 250303175655555555 55375733444113031023 16.23.24.AAU[011]. UCCD, 4.096KCHS 0041030 5755000000000000000 55344157353657354357 01110231333440245755 25030317565555555555 16.23.28.AIBY015T. UCCO. 0041034 55345735364113031023 575500000000000000 55344157353657354357 01110231333440245755 1.236KCHS. 16.23.28.AIBY015T. 0041040 2503031156555555555 55335734434113031023 57550000000000000 55344157353657354357 UCCI, 0.186KCHS. 16.23.28. 0041044 01110231333440245755 25230104565555555555 55335733333413251623 57550000000000000000 AIBY015T. USAD, 0-001KUNS-0041050 55344157353657354357 01110231333440245755 2523200656555555555 55335733344313251623 16.23.28.AIBY015T. USPF. 0.018KUNS 0041054 5755000000000000000 55344157353657354357 01110231333440245755 25231523565555555555 16.23.28.AIBYO15T. USMS. 0041060 55335744443313251623 57550000000000000000 55344157353657354357 01110231333440245755 0.990KUNS. 16.23.28.AIBY015T. 0041064 2523032056555555555 55335743404323050323 57550000000000000 55344157353657354357 USCP, 0.858SECS. 16.23.28. 0041070 01110231333440245755 0123232256555555555 55355733413325162423 5755000000000000000 AIBY015T. ASSR, 2.060UNTS. 0041074 55344157353657354357 01110231333440245755 01232424565512200435 33334256551617230314 16.23.28.AIBY015T. ASTT, JPD2007, NOSCL 0041100 2310570000000000000 55344157353657354457 22021001033012055755 25050104565555555555 SH. 16.23.29.RBHACXJE. UEAD. 0041104 55335733333513251623 5700000000000000000 55344157353657354457 22021001033012055755 0.002KUNS. 16.23.29.RBHACXJE. 0041110 2505200656555555555 55335733334013251623 5700000000000000 55344157353657354457 UEPF, 0.005KUNS. 16.23.29. 0041114 22021001033012055755 2505152356555555555 55415737443713251623 570000000000000000 RBHACKJE. UEMS, 6.494KUNS. 0041120 55344157353657354457 22021001033012055755 250503205655555555 55375740343423050323 16.23.29.RBHACXJE. UECP, 0041124 5700000000000000000 55344157353657354457 22021001033012055755 01052322565555555555 16.23.29.RBHACXJE. AESR, 0041130 55445743333325162423 570000000000000000 55344157353657354457 22020731033011055755 9.800UNTS. 16.23.29.RBGYCXIE. 0041134 2505010456555555555 55335733333513251623 5700000000000000 55344157353657354457 UEAD, 0.002KUNS. 16.23.29. 0041140 22020731033011055755 2505200656555555555 55335733334013251623 57000000000000000 RBGYCXIE. UEPF. 0.005KUNS. 0041144 55344157353657354457 22020731033011055755 2505152356555555555 55415737444113251623 16.23.29.RBGYCXIE. UEMS, 6.496KUNS 0041150 5700000000000000000 55344157353657354457 22020731033011055755 25050320565555555555 16.23.29.RBGYCXIE. UECP, 0041154 55375740333723050323 5700000000000000000 55344157353657354457 22020731033011055755 4.504SECS. 16.23.29.RBGYCXIE. 0041160 01052322565555555555 55445742443525162423 5700000000000000 345555565555555555555 AESR, 9.792UNTS. 1. 0041164 33574244331314162357 00000000000000000000 55344157353657333757 22020701032731055755 0.790KLNS. 16.23.04.RBGACHYE. 0041170 25031420565514343324 34555556555555555555 33574244331314162357 000000000000000000000 UCLP, L10T1 , 0.790KLNS. 0041174 55344157353657334157 01141531333537245755 250303175655555555 55375733444113031023 16.23.06.ALMY024T. UCCO, 4.096KCHS 0041200 5755000000000000000 55344157353657334257 01133711333433245755 23202007565520242241 . 16.23.07. AK41010T. SPPG. PTR6 0041204 34335655565557000000 55344157353657334257 01133711333433245755 23202007565520242241 10, , . 16.23.07.AK41010T. SPPG, PTR6 0041210 34345655565557000000 55344157353657334257 01133711333433245755 23202007565520242241 11, , . 16.23.07.AK41010T. SPPG, PTR6 0041214 34355655565557000000 55344157353657343357 03233333010222235755 230314165655555553433 12, , . 16.23.10.CSOOABRS. SCLN. 10 0041220 56550334565555363656 55555533565555553356 5555555404236570000 55344157353657343357 , Cl, 33, 0, 0, 573. 16.23.10. 0041224 03233333010222235755 23031416565555553433 565503355655555554 34445536354241435555 CS00ABRS. SCLN. 10, 62, 119 32768 0041230 55433344570000000000 55344157353657343457 01133711333433245755 23200724565524051520 809. 16.23.11.AK41010T. SPGT, TEMP 0041234 56555655570000000000 55344157353657343557 01172031333441245755 23200124565516022241 , , . 16.23.12.AOPYO16T. SPAT, NBR6 0041240 04220156555655570000 55344157353657344057 16260633010223235755 01022516565501043533 DRA, . . 16.23.15.NVFOABSS. ABUN, ADZO 0041244 33335655161723031423 10565514354324345755 0000000000000000 55344157353657344057 00, NOSCLSH, L28T1. 16.23.15. 0041250 03233333010222235755 23031416565555553433 56550334565555533756 55555533565555553356 CS00ABRS. SCLN. 10, C1, 24, 0, 0, 0041254 55555555373334570000 55344157353657344057 03233333010222235755 23031416565555553433 401. 16.23.15.CSOOABRS. SCLN, 0041260 565503355655555555 40435535363544355555 55364135570000000000 55344157353657344057 , C2, 10 58 23292 362. 16.23.15. 0041264 03233333010222235755 23032405565555553433 56550334565555533756 55555533565555553356 CS00ABRS. SCTE. 10, C1, 24, 0, 0, 0041270 55555533565533333457 000000000000000000 55344157353657344057 032333333010222235755 0, 001. 16.23.15.CSOOABRS. 0041274 23032405565555553433 565503355655555555555 397, 57, 0041300 0000000000000000000 55344157353657344157 01142531333442245755 23200124565507422205 16.23.16. ALUY017T. SPAT, G7RE 0041304 21565556555700000000 55344157353657344157 22021001033012055755 25030322565514343724 Q, , . 16.23.16.RBHACXJE. UCCR, L14T 0041310 3455555655555555555 33573642401303042357 0000000000000000 55344157353657344257 1 , 0.375KCDS. 16.23.17. 0041314 22020731033011055755 25030322565514344024 3455555655555555555 33573642401303042357 RBGYCXIE. UCCR, L15T1 , 0.375KCDS. 0041320 0000000000000000000 55344157353657344257 01141531333537245755 2503031756555555555 16.23.17.ALMY024T. UCCO. 0041324 55375733444113031023 5755000000000000000 55344157353657344257 22021001033012055755 4.096KCHS. 16.23.17.RBHACXJE. 0041330 01022516565522020640 56551617230314231057 0000000000000000 55344157353657344257 ABUN, RBF5, NOSCLSH. 0041334 22020731033011055755 01022516565522020637 56551617230314231057 00000000000000000 RBGYCXIE. ABUN, RBF4, NOSCLSH. 0041340 55344157353657344257 22021001033012055755 23200124565520221706 11140256552331232405 16.23.17.RBHACKJE. SPAT, PROFILB, SYSTE

RA =

NOS 1-8J03T/R2B. NOS 1.4 STUDY DUMP.

0041344 15305655570000000000 55344157353657344257 22020731033011055755 23200124565520221706 MX. . 0041350 55335533570000000000 55344157353657333557 16233333010221235755 16273334565555343356 0 0. 0041354 55363537553337333533 55335533570000000000 55344157353657343657 16233333010221235755 324 04020 0 0. 0041360 16273334565555343356 55343537553355334333 5533553357000000000 55344157353657344357 NWO1, 10, 124 0 080 0 0. 0041364 162333333010221235755 16273334565555343356 36423541553355335533 55335534570000000000 NS00ABQS. NNOI, 10.3726 0 0 0 1. 0041370 55344157353657353457 16233333010221235755 16273334565555343356 36423542553355335533 16.23.21.NSOOABQS. NWO1, 10.3727 O O 0041374 55335534570000000000 55344157353657353757 16233333010221235755 16273334565555343356 0 1. 16.23.24.NSOOABQS. NWOI, 10. 0041400 364235345533553355335534570000000000 55344157353657354457 162333333010221235755 3721 0 0 0 0 1. 16.23.29.NSOOABQS. 0041404 16273334565555343356 36423534553355335533 55335534570000000000 55344157353657354457 NWO1, 10,3721 0 0 0 0 1. 0041410 16233333010221235755 16273334565555343356 36423542553355335533553457000000000 NS00ABQS. NWO1, 10,3727 0 0 0 0 1. 0041414 16233333010221235755 16273334565555343356 55363537553303333533 55335533570000000000 NSOOABQS. NWO1, 10, 324 0C020 0 0. 0041420 55344157353657333557 162333333010221235755 16273334565555343356 55053537553305333533 16.23.02.NS00ABQS. NWO1, 10, E24 0E020 0041424 55335533570000000000 55344157353657333557 162333333010221235755 16273334565555343356 0 0. 0041430 55053537553341333533 55335533570000000000 55344157353657333557 16233333010221235755 E24 06020 0 0. 0041434 16273334565555343356 55363537553337333533 55335533570000000000 55344157353657333557 NWO1, 10, 324 04020 0 0. 0041440 16233333010221235755 16273334565555343356 55053537553305333533 5533553357000000000 NSOOABQS. NNO1, 10, E24 0E020 0 0. 0041444 55344157353657333557 16233333010221235755 16273334565555343356 55053537553341333533 16.23.02.NS00ABQS. NHO1, 10, E24 06020 0041450 63137500631205562007 12776101150401001511 0000000000077620054 11162025240000001520 K JE.PGJ AMDA MI 0041454 17252420252400001520 00000067735603770224 01227374037702260040 74370377022401227456 QUTPUT MP 0041460 03770225010174710377 02240106750361576157 40716441522071016504 65046521631256730000 C BUAA C BTAF C . .5 6)P A D D Q J, 0041464 00000000051130140407 14666010305510061601 62101447020003360100 67361412020020170100 0041470 71003053340110060667 10142300777734011413 03620100711414056005 30541006060414003407 0041474 03073054170134071602 31053406305312373446 30531240344536073105 60303306051350007200 CGX=0A1GNBYE1FX\$J41-X\$J51+3GYE X0FEK/ 0041500 04063077637072000200 66630100711430301006 07123033220037772300 16240404230003000545 DFX 0041510 33040562303010060612 30450510303110710452 30312200404005463031 12773304050730312200 ODE XXHFF JX+EHXYH DJXYR 55E-XYJ ODEGXYR 0041514 77003104114003073031 12771014310411401006 34131402341230076313 03365600175330143446 YDI5CGXYJ HLYDI5HF1KLB1JXG KC3, OFXL1-0041520 05143615031261120556 01000420777300002612 60200070001340100010 00005712021200650000 EL3MCJ JE,A DP VJ P K5H H .JBJ 0041524 53740200000274770000 00000000000400377777 03301617112514231043 00000012003777772331 \$ B B 0041530 23240515300000000002 00000000200615600011 00000110710600220000 00130000000040060134 STEMX 0041534 00024511450300010100 10000003400054305431 5432000000000000000 0000000120004110000 B+I+C AA H C5 \*X\*Y\*Z 0041540 10560100551503140100 24730334010054211400 34134471020007660370 54000613477107053107 H.A. MCLA T CIA =QL 1K9 B G C = FK+ GEYG 0041544 53000631040302000671 14040200075371076103 05325000056003355400 06451063540006404771 \$ FYDCB F LDB G\$ G CEZ/ E C2= F+H = F5+ 0041550 07053107230011770403 02000671407104032000 00001135020007537307 67760516500005636607 GEYGS I DCB F 5 DCP I2B G\$ G EN/ E G 0041554 06517547540006701412 02000753140171070013 05253013052401005515 06073076601030100574 F( \*= F LJB G\$LA G KEUXKETA MFGX HXHE 0041560 30776204147202000336 37144471310754000631 03040331540001040200 07663012041202000753 X DL B C34L9 YG= FYCDCY= ADB G XJDJB G\$ 0041564 70472200200034130563 14104511307716016010 14010200075314047307 00110521500006710100 \*R P 1KE LH+IX NA HLAB G\$LD G 1EQ/ F A 0041570 06517407200005020100 06616407105376071601 65070747067401001053 01000574500001103410 F( GP EBA F CHS GNA GG\*F A HSA E / AH1H 0041574 33130471137710060734 05113010121004067647 16010703640710043077 62041433020003364500 OKD K HFG1EIXHJHDF \*NAGC GHDX DLOB C3+ 0041600 50101035340036103014 17070570307760043010 44110340301344710317 06120644065106530662 /HH21 3HXLOGE X DXH91C5XK9 COFJF9F(F\$F 0041604 07220740074707540756 07601003100610231431 01000263500001031064 21001401540007345000 GRG5G+G=G+G HCHFHSLYA B / ACH Q LA= G1/ 0041610 05545400077401000507 20061500107300000710 01001615003777770037 77772331232405153037 E== G A EGPFM H GHA NM 4 4 SYSTEMX4 0041614 77772303220000000000 00022022170611140201 00462331232405153000 00002305032522252300 SCR 0041640 00000000000001001746 30551006210001100371 01001270306034112000 00003412140334131457 0041644 02000336036314033411 14510200033630110404 14760200033650001243 04143457140154001503 B C3C LCIIL(B C3XIDDL B C3/ J8DL1.LA= MC 0041650 20001504341520330406 02000476307763731355 14023411140034121460 02000336030414360200 P MD1MPODEB D X K LBIIL 1JL B C3CDL3B 0041654 03360100011400160076 002200000000000052 0024000000000003433 50001367340140013432 C3A AL N R P ) T 0041660 12033402010214020307 03130307203620100200 04760200127102000566 03670200127103640000 JC1BABLBCGCKCGP3PHB D B J B € C B J C 0041664 00000000000001004143 54001433307763701125 17016040304313773443 14003444036101001444 0041670 14003402500214660400 53001635040414023502 03675002146734020102 00001710207436513750 L 1B/BL D \$ N2DDLB2BC /BL 1BAB OHP 3(4/ 0041674 24472677525252110000 01001477140034033402 34003006107521007777 60103006120334015001 T#V JJJ[ A L L 1C1B1 XFH Q 0041700 00101006061210713406 50000106350310633502 36000353107134073503 10633502360001001477 HHFFJH 1F/ AF2CH 2B3 C\$H 1G2CH 2B3 A L 0041704 02001271020012626010 16016040146660203014 22001776110134143013 13773413307134223041 B J B J HNA 5L PXLR () TALLXKK 1KX 1RX6

16.23.13.NSOOABQS. 16.23.18. 16.23.29. 16.23.02.NSOOABQS. NHO1. 10. 16.23.02.NSOOABQS. 16.23.02. \*INPUT MP .C BTAR C BV 5 4C BTAR . EIXLOGL HX HFNA HL\*B C3A 3LJB PUA X\$1AHFF HLS 1ALKC A LLE EX=HFFDL 1G B A LXXHFGJXOR 4 S NTDDS C E+ A EX-Y+1DXYJ ODDFXYH D D 4 CXNOIULSHB J 4 SY PFM I AHFR K 5FA1 J 01 BPROFILBA -SYSTEMX K

### K BN 7

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16.23.17.RBGYCXIE. SPAT. PROF

16.23.02.NSOOABQS. NHO1, 10,

DII KA A 0-X HFQ AHC A J X 11P IJLC1KL. 10/ K 1A5A1Z A 68= LOX 1UOA 5X8K 18L 19C A L9

0041710 10060605020012621606 62200200126262100100 13050100412450001120 04032000000521001113 HFFEB J NF PB J HA KEA 6T/ IPDCP EQ IK 0041714 02001426036414003457 30741621617025705000 25731277540012233052 12770404345217220703 B LVC L 1.X NQ U / U J = JSXJJ DD1)QRGC 0041720 01002667020045730200 32460200304204165000 25671103050402001367 04472000131754004053 A V B + B Z-B X7DN/ U ICEDB K D+P KO- 55 0041724 01004040303312375400 11023425101431340504 02001367006354001103 34265052262310160607 A 55X0J4= IB1UHLY1EDB K = IC1V/)VSHNFG 0041730 30441016071102001367 00431001061230441017 06705000114404043044 10110662305211120513 X9HNGIB K BHAFJX9H0F / [9DDX9HIF X]IJEK 0041734 50001151041020001151 02001426020047620421 02001262617011135000 11161377540011162000 / I(DHP I(B LYB + DQB J IK/ INK = INP 0041740 11130200142602004762 05040200136700375000 11200410200011200200 14260200476204635000 IKB LVB \* EDB K 4/ IPDHP IPB LVB \* D / 0041744 11243400123717100704 02001367005730001071 12371703067002003102 02003507076320001144 IT1 J40HGDB K .X H J40CF B YBB 2GG P 19 A EVG 7 A EVQ 0041764 000000000000000000 3423122500000000000 34150120000000000 22031420000000000 LSJU 1 MAP RCLP 0041770 00370000777700000000 17170004061115645707 200000000000001750 17170000321556135310 4 OO DEIM .GP 0/00 ZM,KSH 0041774 200000000000023420 17170000000153277452 50750000006100046000 56120211440301042006 P B1P00 ASH )/ D .JBI9CADPF 0042000 01320000006100046000 51100000770311042010 56221212445352163320 03020420120315042441 AZ D (H CIDPH, RJJ9\$) NOPCBDPJCMDT6 0042004 04000420056100046000 56120211450311042000 50100000606662021130 63710020004212646000 D DPE D ,JBI+CIDP /H BIX P 7J 0042010 51100001347601036610 20072546100400042175 51100417521377754710 03010417775120041754 (H A1 AC HPGU-HD DQ (HDQ)K \*HCADQ (PDQ= 0042014 03310420167100000000 03020421750400041777 51520000116130042020 10655040004204346000 CYDPN CBDQ D DO () I XDPPH /5 7D1 0042020 10711547500400041777 03010420357120230455 42112201070400042030 03010420355222042040 H M\*/D DO CADP2 PSD 71RAGD DPXCADP21RDP5 0042024 51370000554363627101 15336241012730341121 24303411312616122161 05140420306644146000 (4 8 AMO 6AWXIIQTXIIYVNJQ ELDPX 9L 0042030 51270000504302210622 51470000550334042035 15420513700005636441 15330366213743454620 (W /8BQFR(+ CIDP2M7EK E 6MOC Q48+-P 0042034 03240420356144010000 05400420360233000000 51270000507604020054 12620546200233000000 CTDP2 9A E5DP380 (W / DB =J E-PBO 0042040 17204000000000000000 1720400000000000000 1720400000000000 511000055512000057 @P5 OP5 025 (H /(P . 0042044 03010420474330520251 13762203511611111437 61600420500314042360 02330000006100046000 CADP\*8X)B(K RC(NIIL4 DP/CLDS BO n 0042050 03010420475110000050 53711546715321043305 73720203511143620437 54710522400002043406 CADP\*(H /\$ H- \$QDOE BC(18 D4\* ER5 BD1F 0042054 76310157645371020360 36732547200233000000 61400420746167000000 03310421265137000024 YA. \$ BC 3 U+PBO 50P 0042060 43260150126130042062 11721766000313042417 20006514004176721706 63300533711343463530 8VA/J XDP I O CKDTOP L 6 OF XEO KB-2X 0042064 21444430030653042126 03140421260615042126 53375203730333042073 51370000222630315110 Q99XCF\$DQVCLDQVFHDQV\$41C CODP (4 RVXY(H 0042070 21344272017233770016 12612546100333041777 61300417770400042417 13666536710400042126 Q17 A O NJ U-HCODO XDO D DTOK 3 D DQV 0042074 43303766701511343001 50200000601271021607 63360212305471020060 63620511004175723530 8X4 MI1XA/P J BNG 3BJX= B EI 6 2X 0042100 51370000222664346000 51460000222665415315 06450421041271554710 04000417776100046000 (4 RV 1 (- RV 6\$MF+DQDJ +HD DD D 0042104 21207633202343076570 12734760705071000000 05600421071063354610 61300421100400042150 QP OPS8G J # / E DQGH 2-H XDQHD DQ/ 0042110 52210000207641020470 11742031704560220130 13705637502053063610 12650675266320054610 1Q P 68D 1 PY + RAXK ,4/P\$F3HJ F V PE-H 0042114 76365030704211646000 03050421161262454620 04500420027120007777 61400000202025256165 3/X 7I CEDQNJ +-PD/DPB P 5 PPUU 0042120 61600421210400044722 76610127235363174450 71600070072042254761 20660711000000054671 DQQD D+R AWS\$ 09/ GP7U\* P GI E-0042124 20155136661271454661 54761546710200042002 56361213445626054431 21244214443672337624 PM(3 J +- \* M- B DPB,3JK9,VE9YQT7L93 O T 0042130 03260421362361253370 71700000060306042137 51270000504340611643 22312030604213620203 CVDQ3S UO FCFDQ4(W /85 N8RYPX 7K BC 0042134 12423033404214446000 02440000006100046000 71700000020200042322 03020421400313042132 J7X057L9 B9 D BB DSRCBDQ5CKDQZ 0042140 54441633204360255333 20665213631564654640 76710030304232246000 71700000200400042322 =9NOP8 USOP JK M -5 XX72T PD DSR 0042144 03330421457170000011 51270000217222740000 21214031204232246000 02440000006100046000 CDDQ+ I(W OR QQ5YP7ZT B9 D 0042150 51100001064373015617 50200417555010000060 54620201445030042171 37662423365221000051 (H AF8 A,0/PD0 /H = BA9/XDQ 4 TS3)Q ( 0042154 36632546205221000113 63610377260460042166 03270421576160777773 52210000550332042166 3 U-P1Q AK C VD DQ CHDQ. 19 CZDQ 0042160 21236273032720224303 24202412235130042173 41223523100005026242 22242367324322254730 QS CWPR8CTPTJS(XDQ 6R2SH EB 7RTS Z8RU+X 0042164 52310000561577215332 37373033304216667601 07600421670233000000 52210000507770620770 IY ,M Q\$Z44X0X7N AG DQ BO IQ / G 0042170 12727547200233000000 0000000000017204400 0000000000017204400 16724143367501327554 J +PBO 0P9 OP9 N 683 AZ = 0042174 17457502200000000000 10600216726130042177 02000424176100046000 51170000205120041757 G+ BP H BN XDQ B DTO D (O P(PDD. 0042200 43603154167677012604 21707760105030000060 20057633702313015721 54610213305472063430 8 Y=N AVDQ H/X PE O SKA.Q= BKX= F1X 0042204 05470417771355565501 03070422175422113333 26130156726170000007 27406040004221346000 E\*DO K , ACGDRO-RIODVKA, 0042210 73336226735216000022 26641063404221363615 04610422131053366340 15140244610314042210 O V IN RV H 57Q33MD DRKH\$3 5MLB9 CLDRH 0042214 76300111272740176200 03110422136335023130 15671205075562110055 03150421077100045776 XAIHH50 CIDRK 2BYXM JEG I CHDQG D. 0042220 07500421077100045001 04000421076100046000 51200417545110005220 12620546200331041777 G/DQG D/AD DQG D (PDD=(H )PJ E-PCYDD 0042224 61700052000400042074 51270000224330520243 13444203650332042237 51470000644301415740 ) D DP (W R8X)B8K97C CZDR4(\* 8A6.5 0042230 20060116015130042273 51470000260316042237 03070422374366020044 15416116010304042250 PFANA(XDR (\* VCNDR4CGDR48 B 9M6 NACDDR/ 0042234 71700516042066643022 53461207521140413774 03170422505147000026 11331767101203420765 ENDP XR\$-JG)1564 CODR/(+ VIOO HJC7G 0042240 03100422504340312717 20231156745137000021 04700422500303042250 54610114475110041764 CHDR/85YWDPSI, (4 QD DR/CCDR/- AL\*IHDD 0042244 20444126246130042175 43301764705462020360 21407634402324312612 50610000006100046000 P96VT XDQ 8XD = BC Q5 15STYVJ/ 0042250 51100417645120000050 03010422700302042270 51200417635140000057 03120422704366720405 (HDO CP /CADR CBDR CPDO C5 .CJDR B DE

\$8203M9S 6

0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. NOS 1-8J03T/R28. NOS 1.4 STUDY DUMP. 0042254 15346436012066063530 23256153120303042270 24343616004226176040 76440767102000746000 M1 3AP F2XSU \$JCCDR T13N 7VD 5 9G HP 0042260 04000437656100046000 03170422707170340112 63440204447633020752 12674270436130042265 D D4 D CODR 1AJ 9BD9 0BGJJ 7 8 XDR 0042264 04000420436100046000 63300266400301042271 43301511004176420360 23243136125061000000 D DP8 D XB 5CADR 8XHI 6 7C 5TY3J/ 0042270 13000023300000046000 71040000006160042270 20007767000400043765 73770000777700000000 K SX D D DR P D 04 0042274 72617700056160000044 12301032604230166661 72660000050326042301 72660000056166000001 E 9 JXHZ 7XN **ECVDSA** 0042300 03360423146100046000 20602030304231422316 56260363366263777770 23262156205226000022 C3DSL D P PXX7Y7SN,VC 3 SVQ.PIV 0042304 21244133215110000057 15330201140313042315 13116151105226000020 03010423161562020260 QT60Q(H .MOBALCKDSMKI (H)V PCADSNM BB 0042310 03060423151532020606 20222203065012000062 03320423202116046000 03110423200233000000 CFDSMMZBFFPRRCF/J CZDSPQND CIDSPBO 0042314 57131211360400042317 57131211600400042321 57131636600467042307 63310023300000046000 .KJI3D DSO.KJI D DSQ.KN3 D DSG Y SX D 0042320 51137777762013621160 63313023300000046000 51170000201061120103 03310456174321420744 (K PK I YXSX D (D PH JACCYD, D8Q7G9 0042324 20260114264300037474 03070423260334042327 04700421773666454610 43203613004217515162 PVALV8 C CGDSVC1DSWD DQ 3 +-H8P3K 70(( 0042330 04000422256100046000 51460000025137000020 20044502000006036640 20022367302123054640 D DRU D (- B(4 PPD+B FC 5PBS XQSE-5 0042334 21444633205117000074 51770000200301041777 05370423406140042340 02000421266100046000 Q9-OP(0 ( PCADO E4DS5 5DS5B DQV D 0042340 61400423436150041777 03300423746140041777 03100423740200041777 51300000414360156450 5DS8 /DO CXDS 5DO CHDS B DO (X 68 M / 0042344 03330423574344446000 51100001061003321144 51200417651533437313 12706613004235610622 CODS.899 (H AFHCZI9(PDD MO8 KJ K 72 FR 0042350 03330423535523143360 71400000061522320452 36772366645120000050 54730031204204313111 CODS\$ SLO 5 FMRZD13 S (P /= YP7DYYI 0042354 51200417630312042356 43614546206100046000 03110423571060054630 64540137770255000000 (PDD CJDS.8 +-P D CIDS.H E-X =A4 B 0042360 56111434225120000007 21144117462124476311 63410372232035063520 03110423664330116111 ,ILIR(P GQL60-QT+ I 6C SP2F2PCIDS 8XI I 0042364 12753026600000046000 15114030504237364411 77154211010445042371 53114115413757520522 J XV D MI5X/74391 M71AD+DS \$16M64. PER 0042370 03250423656051000000 07450423662070653120 62477777360440044212 36713157730266000000 CUDS ( G+DS P YP + 3D5D7J3 Y. B 0042374 51370000255147000020 43260154425117000053 43771153322012243252 37447156122140320122 (4 U(\* P8VA=7(0 \$8 I\$ZPJTZ)49 , JQ5ZAR 0042400 42664157125441142773 20422366671534220422 36736154423644620736 76040364746130042405 7 6.J=6LW P7S MIRDR3 =739 G3 DC 0042404 04000421506100046000 54141432016340011221 12624546100244000000 51270000504310115631 D DQ/ D =LLZA 5AJQJ +-HB9 (W /8HI,Y 0042410 20173157215072000000 03330424136140042413 51200421740400044563 51670001137170000000 POY.Q/ CODTK SDTK(PDQ D D+ ( AK 0042414 02330000006100046000 51100417620311042423 76670546100400042423 51200417617647021244 BO D (HDO CIDTS E-HD DISCPDO +BJ9 0042420 03160424255167000024 62520000000457042432 02330000006100046000 51200417614300176470 CNDTU( T ) D.DTZBO D (PDO 8 O 0042424 20073613004217721244 51300001064363115636 51670000240312042422 51300000244326020444 PG3K 70 J9(X AF8 I+3( TCJDTR(X TBVBD9 0042430 12664203301533236663 54620023300000046000 51300052246150000200 54620433307640014633 J 7CXMOS = SX D (X )T / B = DOX 5A-D 0042434 55335030304243475235 03320424403723646000 03220424347043777753 10633040004243446000 0/XX78\*)2CZDT54S CRDT1 8 \$H X5 789 0042440 03140424270233000000 51370000205412120303 03330456014306010455 21144204226341015640 CLDTWBO (4 P\*JJCCCOD,A8FAD QL7DR 6A,5 0042444 62546254700306042546 04500426717274746660 06500424570307042500 03270424526264767553 - CFDU-D/DV F/DT.CGDU CWDT) • 0042450 04600425477264767676 03260424720400042546 72646373550306042624 72747457620326042626 D DU+ CVDT D DU-. CVDVV CFDVT 0042454 72647261730307042550 03060426227274746360 03170424720400042543 72745574637264536662 CGDU/CFDVR CODT D DUB 1 0042460 03070427260306043060 03260424677264555475 03370427210306042746 72745457740307043037 CGDWYCFDX CVDT = C4DHQCFDW- =. CGDX4 0042464 03260430007264557163 03060427357264555751 03060427440400042472 72644765577274476555 CVDX CFDW2 .(CFDW9D DT \* . \* 0042470 03060456230307043116 72644476760326042546 51170000224326020130 15612763107216770017 CFD.SCGDYN 9 CVDU-(D ROVBAXH N H N D 0042474 03210425005117000020 51400417702035011641 12553203151113120167 37661460000316042423 CQDU (D P(5DO P2AN6) ZCMIKJA 4 L CNDTS 0042500 51100000505140041763 03010424150304042503 52410000000304042415 71300076005147000022 (H /(5DD CADTMCDDUC)6 CDDTM X (+ R 0042504 51270000202044320223 03340424231163220537 72767767770337042510 53410534400304042423 (W PP9ZBSCIDTSI RE4 0042510 15453762701304512642 21013200146130042513 12660206350200042043 03010424232005513777 M+4 KD(V7QAZ L XDUKJ BF2B DP8CADTSPE(4 0042514 03000417767371154750 02000421756100046000 51370000254375315027 43460666201543410611 C DO M\*/B DQ D (4 UB Y/WB-F PMB6FI 0042520 03000425367230767777 03040425230323042523 71000100006100046000 72100000770331042546 C DU3 X CDDUSCSDUS A 0042524 21106201063701620252 03000425360320042500 51470000205130041770 11434437605137000106 QH AF4A BJC DU3CPDU (\* P(XDO 1894 (4 AF 0042530 03040425335147000022 20430157477247770017 03340424236100046000 20306164237177772777 CDDU0(\* RP8A.\* \* OCIDIS D PX S W 0042534 21474110400324042536 10611030704250046000 13777547500450042331 56335206367671020370 Q\*6H5CTDU3H HX 7/D K \*/D/DSY,01F3 BC 0042540 12667546300323042331 51370001052076615637 54630040004233146000 43622125565110042545 J -XCSDSY(4 AEP ,4= 5 70L 8 QU,(HDU+ 0042544 11515040004250046000 03111777000000777777 71700000050400042322 71700000040200042322 I(/5 7/D CIO ED DSR DA DSR 0042550 51200425562042273350 15440624400000037431 23242476222261620273 63460114246750416634 (PDU,P7NO/M9FT5 C YSTT RR B -ALT /6 1 0042554 03360424725475043252 02550426116100046000 00061062421414040000 51170000032011415610 C3DT = DZ)B DVI D FH 7LLD (O CP16, H 0042560 53633020004177746000 51170001041061153633 02000417776100046000 53133106115167000104 \$ XP 6 CO ADH M30B DO 0042564 02000417776100046000 51170000671162153633 02000417776100046000 51170000621061153633 B DO D (0 I M30B DO D (0 H M30 0042570 02000417776100046000 51170000654366620106 15616536330200041777 51170001017621063410 B DO D (0 8 AFM 308 DO (O AA QF1H 0042574 04400426110400042621 51170001061061153633 02000417776100046000 51100001232011415610 D5DVID DVQ(D AFH M30B DD D (H ASPIG,H 0042600 53633020004177746000 76310107552035054750 12553040004250046000 51170000631061153633 \$ XP 6 YAG P2E\*/J X5 7/D (D H M30 0042604 02000417776100046000 51470000652024476710 15442040004261746000 53433204361544237141 B DO D (\* PT\* HM9P5 7

0042610 03310426150400042621 20262156122011354610 03030417770331041777 51170001052021115612 CYDVMD DVQPVQ, JPI2-HCCDD CYDD (O AEPQI, J 0042614 54610020004177746000 20244511700006520444 11121767101261454610 20465127475373346000 \* P 6 PT+I FJD9IJU HJ +-HP- W+\$ 1

0043160 51170000202010256271 03210417772124453521 43322114350304041777 61300431640400042150 (0 PPHU CQDO QT+2Q8ZQL2CDDO XDY D DQ/

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0043164 56271212446535146000 04000424416100046000 27007230700400042222 21060561715127000020 ,WJJ9 2L D DT6 D W X D DRRQFE (W P 0043170 20052366102003636720 03360431715461054720 04000417776100046000 61400000606662054104 PES HPC PC3DY = E\*PD DO D E60 0043174 21060211302000663510 04570423316540457114 66670211306251000000 05570423310400041777 QFBIXP 2HD.DSY 5+ L BIX ( E.DSYD DD 0043200 51170000207621020271 12612546100200041777 52110432144600010611 51600432240400041777 (D P QBB J U-HB DD )1DZL- AFI( DZID DD 0043204 04000417776100046000 54550261456154001741 74600763105117000021 13663203305226000060 D DD D = B + = O6 G H{O QK ZCX}Y 0043210 03010417775147000022 21230635200457041777 12643511700002054640 10211613004177720206 CADD (\* ROSF2PD.DD J ZI BE-SHONK 6 0043214 03220422250200041777 76370213075120041757 43701624300001323647 66341222325160041760 CRDRUB DD 48KG(PDD.8 NTX AZ3\* 1JRZ( DD 0043220 03220417775127000022 51170000206242777776 0740042056605000000 04450420560400041777 CRDQ (W R(Q P 7 G5DP, / D+DP,D DQ 0043230 22613110422271663630 03270432331071120714 03270432332073711047 63700137775170000077 R YH7R 3XCWDZOH JGLCWDZOP H# A4 ( 0043234 03330447560266000000 71100000036660020144 61400052000447043414 04000433436100046000 COD+,B H C BA9 5 ) D\*D1LD D08 D 0043240 21144624177777054151 06400442120244043251 04000442126100046000 04000432536100046000 QL-TO E6(F5D7JB9DZ(D D7J D D DZ\$ D 0043244 04000432636100046000 43600040004325146000 54211433220400043265 50110000030400043271 D DZ D 8 5 8UL #QLORD DZ /I CD DZ 0043250 61600000030400043301 51270000575167000050 43336117325072000000 51370000544326020114 CD DOA(W .( /80 DZ/ 0043254 71400017501551266411 20114426541541242754 20652434442073015334 36667201143666315412 5 0/M(V IPIGV=M6TW=P T1GP A\$13 AL3 Y=J 0043260 50630000006744155331 05400432556130043263 10144031404202146000 61400432640400042374 / 9M\$YE50% XDZ HL5Y57BL 50Z D DS 0043264 43700040004177646000 20114514004331515113 71700100011522337621 54610374640324043277 8 5 6 PI+L 8Y((K A AMRO Q= C CTDZ 0043270 43700547510400041776 43250616000000315612 71700602015011777776 54616156122112467661 8 E\*(D DD 8UFN Y,J FBA/I 0043274 06600432735110043316 54251436221562637661 03260432771061154620 43114207301151536557 F DZ (HDON=UL3RM CVDZ H M-P817GX145 . 0043300 04000442216100046000 43071152506352021503 15250634204302246000 04500442120765044212 D D7Q D 8GII/ JBMCMUF1P8BT D/D7JG D7J 0043304 07140442126100046000 43336542111522015513 27202111315130041775 40432262040312043311 GLD7J D 80 71MRA KWPQIY(XDO 58R DCJD0I 0043310 76210460006100046000 04400433143762546000 54610045104177654121 67551040004330546000 qp D D5DOL4 = = +H6 69 H5 8X= 0043314 36625126160200043312 00000000000003641100 0000000000046113200 10711211351154120151 3 (VNB DOJ CI -12 H J12[=JA( 0043320 52350000211522436625 52450000207621020635 03130433230321041776 20406513000005743014 12 QMRB UJ+ P QBF2CKDOSCQDO P5 K E XL 0043324 03340417762056011303 20102370534330176500 20260030004334146000 20173117315565112447 C1DO P,AKCPHS \$8XO PY X 81L POYOY 1T+ 0043330 51170000202046636742 54740376121075543260 51370000225461020330 15432101666130041777 (D PP- 7= C JH =Z (4 R= BCXMRQA XDD 0043334 72247700155475020601 03220422250326042225 43205202651162120313 03160436010333042225 T M= BFACRDRUCYDRU8P)B I JCKCND3ACODRU 0043340 04000436016100046000 03310417767150000011 20560020004332746000 20435246315137000021 D D3A D CYDO / IP, P 8Z P8)-Y(4 Q 0043344 51270000200303044212 04600433470430043354 20203033204335720271 11141113423661346000 (W PCCD7JD DO\*DXDO\*PPXOPB2 B ILIK73 1 0043350 03060442123731315224 03010433520333043404 12621546200301041776 04000434046100046000 CFD7J4YY)TCAD0)CODIDJ M-PCADO D DID D 0043354 51300000574301411303 20314635300557043346 76710207440400041776 11141202710301043347 (X .8A6KCPY-ZXE.DO- BG9D DO ILJB CADO+ 0043360 50750000002114410711 04000423226100046000 10411432012145243060 62347777730703044212 / QL6GID DSR D H6LZAQ+TX 1 GCD7J 0043364 07300433675137000025 20260126326150041777 11223031204457054630 20472033404421263350 GXDO (4 UPVAVZ /DO IRXYP9.E-XP+P0590V0/ 0043370 20401106550324043377 51270000201015515320 21214203061522063430 20206053004337454151 P5IF CTDO (W PHM(\$PQQ7CFMRF1XPP \$ 84+6( 0043374 63510366122014463515 07450442120530043377 54610541110311043374 04300442212113010566 (C JPL-2MG+D7JEXDO = E61C1DO DXD7QQKAE 0043400 62417777566251777776 06400442210750044212 53755675510650043402 02000417766100046000 6 , ( F5D7QG/D7J\$, (F/D1BB DO 0043404 51170000200560043410 76210202605130000050 10633377125565154710 75651101775063000000 (O PE DIH OBB (X /H O J M\*H IA / 0043410 43203116217600020660 54650704577237615112 03040421756130042175 02000422256100046000 BPYNQ BF = GD. 4 (JCDDQ XDQ B DRU D 0043414 51170000205130000050 76210106332026037712 55651547107466013777 51400417635463054750 (O P(X / QAFOPYC J M+H A4 (500 = E+/ 0043420 03040434307224772376 03020434305224000001 61500434250324043424 04000423436100046000 CDD1X T S CBD1X)T A /D1UCTD1TD DS8 D 0043424 10622663500400042043 51400417631377710611 54740031104342713666 03340434302064453640 H V /D DP845DD K FI= YH87 3 C1D1XP +35 0043430 43002511700002020073 11301613004177720301 03030422256130043601 56271033304222574450 8 UI BB IXNK 6 CACCDRU XD3A,WH0X7R.9/ 0043434 21244533210303042225 13634031604343754630 02000422256100046000 51200417676130041777 QT+0QCCDRUK 5Y 88 -XB DRU D (PDO XDD 0043440 13623216440316042225 13710131105071000000 61300417770200042225 20600066000120710004 K ZN9CNDRUK AYH/ . XDD B DRUP AP 0043444 20600066000120710077 20670067000120720001 20660060000120640001 20060000000120730077 P AP P AP AP AP APF AP 0043450 20110011000720400007 20140011000120700077 20110011000120620001 20140011000120700077 PI I GP5 GPL I AP PII AP APLIAP 0043454 20000000000020000000 20110011000320540003 20300013000120727777 20220012000120710077 P P PI I CP- CPX K AP 0043460 20100011000720540007 21144624177777343660 06400442125137000071 76510203146160043465 PH [ GP= GQL-TO 13 F5D7J[4 0043464 15336205650313043767 51370000201377743044 02440434736100046000 15635546300400041776 MO E CKD4 (4 PK X9B9D1 D M -XD DO 0043470 15435765000400043473 15635546300400043414 15435205670400043473 20330151367211777757 MB. D D1 M -XD D1LMBJE D D1 POA(3 I . 0043474 03110434762034410433 51100052214306010711 76270206305473121206 52120056401377711661 CID1 P16DD(H )Q8FAGI WBFX= JJF)J ,5K N 0043500 54771547115461013666 51770000355167000030 51770000265177000074 51670000735177000064 = M\*I= A3 ( 2( X( V( • 0043504 51670000711666620030 51670000661160475751 03050435105140000050 54740376651074455751 ( N XI I \*.(CED2H(5 /= C H +.( 0043510 54630137770400041776 54351432602036015532 20330263435114007717 15112201035211000013 - A4 D DO -2LZ P3A ZPOB 8(L OMIRAC)I K 0043514 43066152105041000003 62327777705222043545 66400213440630044212 63620101442126021160 8F JH/6 C Z JRD2+ 58K9FXD7J AA9QVBI 0043520 37652151100334043532 03010435226140000004 03360435272760227705 24606447762673722737 4 Q1HC1D2ZCAD2R 5 DC3D2WW R ET # V W4 0043524 63370376174217263373 03260435266140006200 63373663333755123434 15040207146631112670 4C 070V0 CVD2V 5 43 04 JIIMDBGI YIV

0043530 43461377252064476131 15434760100266000000 61400067000400043522 20103360052740127200 8-K UP \* YM8\* HB 5 D DZRPHO EWSJ 0043534 2440444224262322232 22412364242040337404 20214123347657012662 20560126637614054631 T597TVSRRZR6S TP50 DPQ6S1 .AV P.AY LE-Y 0043540 05400435435110000067 13215711000000421260 03020435437110000011 13666201141277154661 E5D28(H .KQ.I 7J CBD28 H IK ALJ M-0043544 54750040004177746000 000000000000001044212 015300000000043554 03430000000000043557 = 56AD7JA\$ D2 = C8 02. 0043550 120000000000043565 016000000000000043561 0343000000000043563 1200000000000043570 J D2 A D2 C8 D2 J 02 0043554 15341204732032611004 03240435567200000330 20501040004353346000 15340205011100420327 MIJD PZ HDCTD2, CXP/H5 8\$1 MIBEAI 7CM 0043560 04000435336100046000 15341732231101420326 42002040004353346000 15340204732032721473 D D20 D MIDZSIA7CV7 P5 8\$1 MIBD PZ L 0043564 73023110400400043533 15340205011100420327 36205431671542121205 04000435366100046000 BYH5D D20M1BEAL 7CH3P=Y M7JJED D23 D 0043570 20473733402147320330 11042040004356646000 51170000204320211621 03160436000400041776 P\*405Q\*ZCXIDP5 8, (D P8PQNQCND3 D D0 0043574 51170000204306074450 11201202665332121264 03120442120303043600 13434031404360054730 (0 P8FG9/IPJ8 \$ZJJ CJD7JCCD3 K85Y58 E\*X 0043600 50750000006100046000 51170000205120043610 11621764700316043606 51200417570321042056 / D (O P(PO3H1 O CNO3F(PDO.CQDP, 0043604 21407623400001422232 03320420560400041777 20602032604177746000 04000420566100046000 Q5 S5 A7RZCZDP,D DO P PZ 6 0043610 1000777700000000000 43352613004177615513 20130624177777143036 06400442120244043622 H 82VK 6 KPKFTO LX3F5D7JB9D3R 0043614 51270000500400043622 51170001130400043624 51170000560400043635 51270000500400043654 (W /D D3R(O AKD D3T(O .D D32(W /D D3= 0043620 51270000600400043675 51170000570400043700 43365202231572311632 20651546200200041776 (H D D3 (D .D D4 83)BSM YNZP M-PB D0 0043624 71200017504344642525 11341203465147000060 51170000754366615440 20636204103633515116 P 0/89 UUILJC-(\* (0 8 =5P DH30((N 0043630 12661030604240720147 72610001004262636664 37163032104240710366 51170000504320112612 J HX 75 A+ A 7 4NX2H75 C (D /8PIV) 0043634 54610040004240746000 43222154126640011021 71102304551472220022 20107423154356042010 = 5 75 8RQ=J 5AHQ HSD L R RPH SM8, DPH 0043640 37204032204364166410 51270000612023015225 36643135250305043644 20203427126100046000 4P5ZP8 N H(W PSAJU3 Y2UCED39PP1WJ D 0043644 37176032104364743301 03050436475127000050 20372126235462037374 36003137770440043704 40 ZHB OACED3\*(W /P4QVS= C 3 Y4 D5D4D 0043650 43522511700005615615 03330436535120041775 27000405202650520552 12656546100200043704 81UI E .MCOD35(PDO W DEPV/JEJJ -HB D4D 0043654 43401156245117000055 54620156145461043422 15424511700005710244 21214116011262654610 851,T(0 = A,L= D1RM7+I E B9QQ6NAJ -H 0043660 61300436662013615513 13153712023045520207 03010437045117000056 20122151134232542621 XD3 PK KKM4JBX+1BGCAD4D(O .PJQ(K7Z=VQ 0043664 37664375630325043704 10366032604370446000 51470000512142610544 43236511700006021510 4 8 CUD4DH3 Z 8 9 (+ (Q7 E98S I FBMH 0043670 11221126525061000000 43352211361551313135 61300435740301042407 71200017504252536345 IRIV)/ 82RI3M(YYZ XDZ CADTG P 0/7)\$ + 0043674 02000424076100046000 20236111321261520636 54620131350301042407 15460204100200043673 B DTG D PS 1ZJ )F3= AY2CADTGM-BDHB D3 0043700 15410204142013611131 71202304551261513135 20636546100301043704 20207423256100046000 M6BDLPK IY PSD J (Y2P -HCAD4DPP SU D 0043704 51170000564322214522 11621033304370636534 12656546105117000050 43501205711561554610 (0 .8RQ+RI HOX8 1J -H(0 /8/JE M -H 0043710 02330000006100046000 51100417635130000050 54451746500301043714 13616031604177654610 80 D (HDO (X /=+0-/CAD4LK Y 6 -H 0043714 03140437165147000026 50740000000304044212 10644214526130043737 72244376650302043721 CLD4N(\* V/ CDD7JH 7L) XD44 T8 CBD4Q 0043720 03130420430400043741 03030437435535120322 51270000207243435465 51370000220304042043 CKDP8D D46CCD48 ZJCR(W P 88= [4 RCDDP8 0043724 43460203306160043733 15134723177001720214 15124624100000143467 03330437301532463430 8-BCX D40MK\*SO A BLMJ-TH L1 COD4XMZ-1X 0043730 51270000260714043743 03120437436130043734 76710760700400043765 03070420430400043743 (W VGLD48CJD48 XD41 G D D4 CGDP8D D48 0043734 61600437437670076070 03010437655127000020 76310203651272354720 20144107110311041776 D48 G CAD4 (W P YBC J 2+PPL6GICIDO 0043740 04000437436100046000 27207747507035772376 54710127520313041776 13777546400400041776 D D48 D WP #/ 2 S = AWICKDO K -5D DO 0043744 61500417760400042343 63610614003567076710 06640442125626015627 13562207440305041776 /DO D DS8 FL 2 G HF D7J, VA, HK, RG9CEDD 0043750 61400060206150007776 07640437560756043756 43006201362006611501 57361207015445113434 5 P / G D4,G,D4,8 A3PF MA.3JGA=+111 0043754 20460214060314041776 03050437561562012656 54620137770200041776 21530430602114476210 P-BLFCLDO CED4,M AV,= A4 B DO Q\$DX QL# H 0043760 15750123126257777774 61600417760550043767 52137777765425176710 13612030604376776710 M ASJ . DO E/D4 JK =U0 HK PX 8 H 0043764 20745040004177646000 52300000714326020314 15332460006100046000 72037700016357027153 P /5 6 X 8VBCLMOT D C A .B \$ 0043770 72337717571500376210 03200442121102721301 43767157372130563570 52330077762275211273 0 0.M 4 HCPD7JIB KA8 .4QX,2 10 R QJ 0043774 22050132200302044003 13737547300310044002 26251430140450044002 51370000712026013732 REAZPCBD5CK \*XCHD5BVULXLD/D5B(4 PVA4Z 0044000 11307031304400154730 13777202145372055771 13777026600000046000 03000442127671020744 IX YX9 M+XK BL\$ E. K V D C D7J BG9 0044004 02660000006100046000 10655616004177620636 02000423606100046000 73410204565224044055 B D H .N 6 F3B DS D 6BD, 1TD5 0044010 62647777716150041777 20500032404401220236 03350417760660044212 63320262620400044547 /DO P/ Z59ARB3C2DO F D7J ZB D D+\* 0044014 20273433010322044020 03200442125043000001 43714204441574754750 04000417776100046000 PH10ACRD5PCPD7J/8 A8 7D9H \*/D DO D 0044020 50430000142031413643 04000440276100046000 50430000010400044024 50430000156660046000 /8 LPY638D D5W D /8 AD D5T/8 M D 0044024 76710633101127222137 15641031204402711414 12661030404402720744 54640056004454054750 FOHIWRQ4M HYP9B LLJ HX59B G9- , 9-E+/ 0044030 03200442130255000000 50430000012046010311 20273151450322044510 11654126362061446000 CPD7KB /8 AP-ACIPHY(+CRD+HI 6V3P 9 0044034 03010440270303044027 76710207440400044540 71300100005043000015 20273212731322320313 CAD5WCCD5W BG9D D+5 XA /8 MPWZJ KRZCK 0044040 36642137461173766600 03070440277671020744 04000417766100046000 20273430660332044047 3 Q4-1 CGD5W BG9D DD D PW1X CZD5+ 0044044 50430000152043015610 11404126642064454640 04000417766100046000 54440154400304044213 /8 MP8A+HI56V P +-5D DD D =9A=5CDD7K 0044050 13111765400200044540 20273032204454054750 02550000006100046000 50430000147631046000 KIO 5B D+5PWXZP9=E\*/B D /8 L YD 0044054 04000440376100046000 20020445112002044511 20020440512002044511 20020440222001044031 D D54 D PBD+IPBD5(PBD+IPBD5RPAD5Y 0044060 20000440362000044023 20000440532000044043 20000442122000044014 20130613004406743060 P D53P D5SP D58P D7JP D5LPKFK 9F X 0044064 76710734102011463550 20744151100400042274 00210442120021041776 62447777756336020701 GIHPI-2/P 6(HD DR QD7J QDD 9 3BGA 0044070 04500455645012000060 04400455272150646000 03010417767355063360 21514634357215777770 D/D /J D5D WQ/ CADO FO Q(-12 M

DSDI - V2.0 79/10/30. 15.19.40. PAGE NOS 1-8J03T/R28. NOS 1.4 STUDY DUMP.

0044074 72557777761511563655 03210442120663044212 64551236176365067554 03040441016445136767 MI+3 COD7JF D7J J3O F -CDD6A +K 0044100 57345675050313041776 56146676611061154615 06600441011377764501 03040417765412054750 .1, ECKDO .L H M-MF D6AK +ACDDO -JE+/ 0044104 50320000022221163430 03220417776072777757 04400420560445042056 04000417776100046000 /Z BRQN1XCRD0 .D5DP.D+DP.D DO D 0044110 76710207460400041776 43252201521061111721 21606433662066076210 15313430612072220166 BG-D DO BURAJH 1000 O P G HMY1X P RA 0044114 15110030104412454651 43624030304411642131 20624513700005220350 11463364146640037564 MI XH9J+-(8 5XX91 QYP +K ERC/I-O L 5C 0044120 03250441226140000004 37446460006100046000 15336366436130044124 20624546300200042023 CUD6R 5 D49 D MO 8 XD6TP +-XB DPS 0044124 61300441277110007773 43060040004227446000 00630442120000041776 54151432010301044133 XD6W H 8F 5 7W9 D7J DO =MLZACAD60 0044130 62310000141551253433 21560033104413220530 20514366545064000000 63570105770450044147 Y LM(ULOQ, OH9KREXP(8 =/ 0044134 76210215445147000020 20230151403764211404 63350204661054420452 15240030204177654640 QBM9(\* PPSA(54 QLD 2BD H=7D)MT XP6 -5 0044140 52430000266244000001 13666053404414254640 53333201066343063310 06140442125063000000 18 V 9 AK \$59LU-5\$0ZAF 8FOHFLD7J/ 0044144 06430441474305253454 04510441464362020622 15446157701267454640 70127777575025777776 F8D6\*8EU1=D(D6-8 BFRH9 . J +-5 J ./U 0044150 20135714000760020237 04000433176100046000 20130614000000663510 21160045004421173710 PK-L G BB4D DOO D PKFL 2HON + 9004H 0044154 07450442126130044200 54255430606755143652 11102201116361021172 03110441601532613113 G+D7J XD7 =U=X L3JIHRAI BI CID6 MZ YK 0044160 20230155204306620214 16402212066244000073 43601152207245777757 23046723577764715434 PSA PRF BLN5RJF 9 B 11P + .SD S. =1 0044164 05600441667245777577 77607365566100046000 53357435730324044212 71667777731355063420 E D6 + , D \$2 2 CTD7J 0044170 03160441712264011363 23443126402120415440 03050441730306044200 36641224411150667661 CND6 R AK S9YV5QP6=5CED6 CFD7 3 JT61/ 0044174 03150442026640067661 36643546300760044200 04600420230461042021 61667777760561044212 CMD78 5F 3 2-XG D7 D DPSD DPQ E D7J 0044200 07050441550307043414 04000417766100046000 73470224542044412774 13444076004417567661 GED6 CGDILD DO D +BT=P96H K95 9U. 0044204 36460736200660044206 77401215733744015445 22040224441130366410 07600441750306044175 3-G3PF D7F 5JM 49A=+RDBT9IX3 HG D6 CFD6 0044210 20602634600400044175 03010434140400044212 61500417776100046000 51100000271071146000 P VI D D6 CADILO D7J /DD D (H WH L 0044214 71100442205075000006 53110107115170005235 54111107115411154771 10711547710255000000 HD7P/ F\$1AGIC 12=11GI=1M+ H M+ B 0044220 20205510251607570000 70357716062710776210 21303634301271523042 54750040004222246000 PP HUNG. 2 NFWH HQX31XJ JX7= 5 7RT 0044224 70257716067631021203 63420233431511323040 12610546100233000000 54750040004423246000 U NF YBJC 7808MIZX5J E-HBO . 5 951 0044230 71600000015160041752 01300442316100046000 51100417541377720161 03010442302414127407 AC DOJAXD7Y D CHDO=K A CAD7XTLJ G 0044234 54110232441361254610 21260763400312044572 20303525300525155251 26145202375134044572 =1BZ9K U-HQVG 5CJD+ PX2UXEUM)(VL)B4(1D+ 0044240 71400076002133611642 63630637600266000000 21130635506341066611 56140562413677166446 5 QO N7 F4 B QKF2/ 6F I,LE 63 N -0044244 36772074504424354351 04450442463777246000 37673030604424776610 54730546500200044232 3 P /9T28(D+D7-4 T 4 XX 9T H= E-/B D7Z 0044250 61300442510400044546 23415436721577415676 52460443136336021702 16645534762273420770 XD7(D D+-S6=3 M 6, J-D8K 3B0BN 1 R 7G 0044254 03270445611176454740 04000442576100046000 61300442570400044546 23415203601561411741 CHD+ I ++5D D7. D XD7.D D+-S61C M 6D6 0044260 50130000061533420672 63536151147131000000 61700000702033012331 03170442711104620002 /K FMO7F \$ (L Y POASYCOD7 ID B 0044264 63207200023712163400 07370442660321044561 20001633046143777717 53166236452324211661 P B4JN1 G4D7 CQD+ P NOD 8 D\$N 3+STQN 0044270 64410126620400044303 11246202025316663220 22121205301177120104 03070442761117154231 6AV D D8CIT BB\$N ZPRJJEXI JADCGD7 IOH7Y 0044274 15725765100307044276 20530377255472013700 03010442770320044561 11046200025220044313 M . HCGD7 P\$C U= A4 CAD7 CPD+ ID BIPD8K 0044300 63207200025316663300 20001367736330375015 11621032004430364510 54610222312212121260 P B\$N O P K X4/MI HZ 9X3+H= BRYRJJJ 0044304 03210445611562420672 03320442771067754330 21630430447715636636 15770206606150044232 CQD+ M 7F CZD7 H 8XQ DX9 M 3M 8F /D7Z 0044314 7777000077777775673 77777777000077776735 77777777777700007356 56271103115442120321 0044320 21444032304432210044 54451370040330044561 21244636402032363720 03330445615321073330 Q95ZX9ZQ 9=+K DCXD+ QT-35PZ34PCOD+ \$QGOX 0044324 03130443255331121322 62427777764373063234 20760076204422763537 54121775216551546000 CKDBU\$YJKR 7 8 FZIP P9R 24-JO Q (-0044330 61600443327333046000 04000447036100046000 20330127350400044227 54150434666631020130 D8Z OD D D\*C D POAW2D D7W-MD1 YBAX 0044334 61600000071521420106 61500000061551420106 15114434360302044354 63320634100763044561 GMQ7AF / FM(7AFMI913CBD8- ZF1HG D+ 0044340 0736044344341454351 04400443546140044353 51200421712720210633 24202040004456246000 G3D8986+8(D5D8\* 5D8\$(PDQ WPQFQTPP5 9,T 0044344 04400443470734044561 54254436225130041773 15626276064063654620 03050443546345054354 D5D8\*GID\* =U93R(XDO M F5 -PCED8= \*E8= 0044350 07640445615120042173 61400443531063346000 04000445636100046000 50630000006160000007 G D+ (PDQ 5D8\$H 1 D D+ D / 0044354 51200444007150000057 51300444012052243052 54111156147170001750 03060443756140777755 (PD9 / .(XD9AP)TX)=II+L O/CFD8 5 0044360 54431271066120000011 37767676050327044363 61400000005044000001 42621401212670167221 \*8J F P 14 ECWD8 5 /9 A7 LAGV N Q 0044364 20466070204436513777 66665406367366436464 03170443632266415460 03050443753674520606 P- P9314 =F3 8 COD8 R 6= CED8 3 JFF 0044370 43444114463664767605 06530443755061000001 61200000125043000001 26701715000000010644 896L-3 EF\$D8 / A P J/8 AV DM AF9 0044374 61407777550317044363 54610137770753044227 67331434360530044356 04000442276100046000 5 COD8 = A4 G\$D7W OL13EXD8.D D7W D 0000 0044404 10211430662023015320 61300444430313044546 21260664006222777766 06200445615212010016 HQLX PSASP XD98CKD+-QVF R FPD+ DJA N 0044410 03110444115110010016 26251510000572043015 66700434526120000012 73550437606160000005 CID91(HA NYUMH E DXM DI) P J D4 0044414 23250153122720324452 03030444335430515637 22263203442060353460 12323532611564720267 SUASJHPZ91CCD90=X(,4RVZC9P 21 JZ2Z M B 0044420 21462123235024000006 73220422263725237664 16332544420333044414 21460057004442466750 Q-QSS/T F RDRV4US NOU97COD9LQ- . 97- / 0044424 03360444140304044427 05400444146145000000 04000444146100046000 54110276515461054550 C3D9LCDD9HE5D9L + D D9L D \*1B (\* E+/ 0044430 43760762502073020244 11575125251075526105 54750040004454646000 26151271012325011121 8 G /P BB91.(UUH ) E= 5 9= 0044434 66500133200313044414 66540054004442766570 05700444277071767761 03070442276100046000 /AOPCKD9L - - 97 E D9W CGD7W D

.76000. EXPRESS 11 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH.

0044440 54210437605110010016 26202151122625146000 04000444146100046000 50430000061563515445 =QD4 (HA NVPQ(JVUL D D9L D /8 FM (=+ 0044444 03070444510327044447 73771031704456142764 030604444737777446000 272042770/2420244772 CGD9(CWD9\* HY 9,LW CFD9\*4 9 WP7 GTPT\* 0044450 26727227276100046000 73271634713733276710 37662207570336044540 23615617077771720360 V HW D WN1 40W H4 RG.C3D+5S +DG C 0044454 67361152364357011363 53223510004431246000 03010444644327215016 15212210026222000070 31138.AK \$RZH 9YT CAD9 8WQ/NMORHB R 0044460 20202633202020153406 63323222245404022034 66337152202363643001 03220445611166454640 PPVOPPPMIF ZZRT=DBP1 0 )PS XACRD+ 1 +-5 0044464 54221126250306044464 75426246262040246000 62640037247646212334 03300444720400044561 =RIVUCFD9 7 -VP5T 0044470 54221616600000412625 03060444702462676462 23627126265462054100 23634126617642754610 =RNN 6VUCFD9 T S VV= E6 S 6V 7 -H 0044474 20402674416334054220 20401540206334312625 05400444714346164440 15134606300002011643 P5V 6 1E7PP5M5P 1YVUE5D9 8-N95MK-FX BANB 0044500 75526727100400012665 21102643202061454250 20444074304450377546 15224763105463012727 1 WHD AV QHV8PP +7/P95 X9/4 -HR+ H= AWN 0044504 73551040004454346000 73410204565224044055 03240445072023646000 63320262620400044546 H5 9=1 6BD.)TD5 CTD+GPS 0044510 71700200000301044035 23415151144337276510 12331207576333020172 73270235352020253416 B CAD52S6((L84W HJOJG. OBA WB22PPU1N 0044514 63320112542253521773 13645114541555713454 03040445250430044527 03020442132141076310 ZAJ=R\$)O K (L=M 1=CDD+UDXD+WCBD7KQ6G H 0044520 03140445221377754640 03300445400400044213 13773203435423120730 36727164730304044520 CLD+RK -5CXD+5D D7KK ZCB-SJGX3 0044524 54720134440400044520 03050442137671076310 20744435010400044543 52230443162030215562 = A19D D+PCED7K G HP 92AD D+BISD8NPXQ 0044530 63430203016343443461 54230204141124223444 17664154741355421504 03150442137631017737 BBCA 891 =SBDLITR190 6= K 7HDCHD7K YA 4 0044534 36727040004452446000 77601516004175210711 01300445366100046000 10677023300000046000 3 5 9]9 MN 6 QGIAXD+3 D H SX D 0044540 54250763102021446000 03220445431043320462 50230000151262454620 50430000021564321444 =UG HPQ9 CRD+8H8ZD /S MJ +-P/8 BM ZL9 0044544 03140442135464054750 02550000006100046000 61500442326100046000 20130433624327015313 CLD7K= E+/B /D7Z D PKDO 8WASK D 0044550 52430057207263777677 43560153451104620303 03200442135243000002 15642214445333020130 18 .P 8.AS+ID CCCPD7K18 BM RL910BAX 0044554 03140442130460044556 54440766105464013264 03020445701521520114 60630000207371020144 CLD7KD D+,=9G H= AZ CBD+ MQJAL 0044560 15115023300000046000 61500442320200044213 76110271012410145212 26706431142770711116 MI/SK D /D7ZB D7K IB ATHL)JV YLW IN 0044564 24707211144177227101 41112267672276726161 61660000142216136617 02440000006100046000 T IL6 R A6IR R LRNK DB9 D 0044570 54550437011277554750 03350442130255000000 51340446056621163630 02660000006100046000 = D4AJ +/C2D7KB (1D-E QN3XB D B D (/DO\$\$2JM 0044600 54431205066160044603 21344145555313021444 63550634400400044717 13777511000013176210 -- 8JEF D-CQ16+ \$KBL9 F15D D+OK I KO H 0044604 36612546100400044227 0000000000000044577 0000000000000044561 0000000000000044561 3 U-HD D7W D+ D + 0044610 0000000000000044561 000000000000004561 00000000000043144 0000000000043160 D+ D+ DY9 DY 0044614 0000000000000043166 0000000000000043167 00000000000043173 00000000000043200 DY DY DY DZ DZB DZB DZF DZM D+2 D7J D7 J 07J 0044630 60000445610000043235 40000445610000043317 70000445610000043343 60000445610000043404 D+ DZ25 D+ 000 .D+ DOB D+ DID 0044634 00000445610000043757 00000442560000044221 40000445610000043414 00000445610000041776 D+ D4 -D7. D705 D+ DIL D+ 00 0044640 40000445610000043572 40000445610000043574 00000443330000044221 00000445610000045044 5 D+ D2 5 D+ D2 080 D7Q 0/9 0044644 00000443330000043240 00000445610000043711 00000445610000043744 00000444040000044221 025 D+ 04 I D+ D49 090 D79 0044650 00000445610000043745 00000445050000044007 40000445610000044152 00000445610000044005 04+ D+E D5G5 D+ 06) D+ 05E 0044654 40000445610000043461 00000442500000044221 00000445610000044063 40000445610000044111 5 D+ D1 07/ 079 D+ D5 5 D+ 1 40 0044660 40000445610000043611 00000443170000044221 00000446730000043362 00000442420000044221 5 D+ D31 080 D79 D-DO D77 079 0044664 00000445610000043511 00000456750000044221 00000445610000044212 0000000000000044212 D+ D21 D. D7Q D+ D7J D7J 0044670 13777053004422746000 54331672750313044677 54750040004423246000 63350103116150777772 K \$ 9R =ON CKD- = 5 9ST 2ACI/ 0044674 20520617077777643270 03350445616160044670 67275053004467754351 10633213300303044671 PJFOG Z C2D+ D- W/\$ 9 8(H ZKXCCD-0044700 11423031404470163237 53762672210620044701 03040446716343553160 51400447157461063240 17XY59 NZ48 V QFPD+ACDD- 8 Y (5D+H FZ5 0044704 43752770051566736060 20636150071266054141 06420447117614076044 20103437703611015017 8 W EM P /GJ E66F7D+I LG 9PH14 3IA/D 0044/10 11171200322015412110 12761366645574167442 46400447146100046000 07040447060266000000 IQJ ZPM6QHJ K N 7-50+L D GDD+FB E A A / F/D+C(50+M 0044720 63240750121444473604 04000447046100046000 76140760442010343670 36110150161116120032 TG/JL9\*3DD D\*D D LG 9PH13 31A/NINJ Z 0044724 74610201541211043752 75015156671500720636 12010126065160044731 46400447316100046000 BA=JID4) A(, M F3JAAVF( D+Y-5D+Y D D JD., D. 0044734 0000000000000000000 50100447322433176410 03010417772045776230 23334137132020354710 /HD+ZTOO HCADO P+ XSO64KPP2+H 0044740 72020054010400043142 60407777165710421130 13215030204177774001 61400000225311456274 B =AD DY7 5 N.H7IXKQ/XP6 5A 5 R\$I+ 0044744 53354264422665373330 26161110030313044755 06640447516100046000 06650417776450027655 \$27 7V 40XVNIHCCKD+ F D+C D F DO /B 0044750 51600447340400041777 03070447540645041777 52150000206375046000 04000420566100046000 ( D\*ID DD CGD\*=F+DO JM P D DP+ D 0044754 06540447520400041777 03000447510400044747 60407777160470044771 57404214306244000000 F=D+)D DO C D+(D D++ 5 ND D+ .57LX 9 0044760 04470447770336044775 51170000222666163410 5010000060524400002; 21130635100457044775 D\*D\* C3D\* (O RV N1H/H 19 RQKF2HD.D\* 0044764 52110000222605473010 26131054004477146000 0736044770075604477 04000447756100046000 11 RVE\*XHVKH= 9 L G3D\* G,D\* D D\* D 0044770 07530447770400044775 64501054504477726654 0763044775031004477! 06530447756450027657 G\$D\* D D\* /H=/9 =G D\* CHD\* F\$D\* /B . 0044774 51600447346100046000 63630261457140007600 0266000000610004600( 60307330447601057103 ( D\*1 D B + 5 В D X X9 AE C 0045000 61300417770400044224 000000020000000000 000450210000000000 000500000000000 XDQ D D7T D/Q E

D/A

D 8 D  $0045024 \ 00004154000576000000 \ 00000000000000000001 \ 00777700000000045024 \ 70070000000000000000$ 0/T G PH L\$ 1 В PH G CTIP L (B APH / 0045044 20127434606361010611 04600450476140000004 06460450570400044212 72757717577205770000 PJ 1 AFID D/\* 5 DF-D/.D D7J D. E 0045050 20115157071501421673 72307777661173754351 03270442125315055211 20173137326150041777 PIC.GMA7N X I BICHD7J\$ME)IPOY4Z /DD 0045054 03210445705230043450 15776201010317044212 04000450616100046000 05610450602167311161 CQD+ 1XD1/M AACOD7JD D/ D E D/ Q YI 0045060 52310434435110000110 26363152342356120344 11525154344370122464 03360450662635320360 )YD18(H AHV3Y)15,JC91)(=18 JT C3D/ V2ZC 0045064 23657636302266613525 15316144440313045070 37614767100305045070 54610547500400041777 S 3XR 2UHY 99CKD/ 4 \* HCED/ = E\*/D DO 0045070 20745106115475054651 04000417776100046000 72645454717274545474 03060452120317042472 P (FI= E-(D DO D 0045074 63550514700002120552 06150425467264747777 67445216147225770014 03060425467770446000 EL BJEJFMDU-91NL U LCFDU- 9 0045100 06140425462020266535 63320433715117000102 43214112215147000064 03020451062013043601 FLDU-PPV 2 ZDO (O AB8Q6JQ(\* CBD(FPKD3A 0045104 03310451061266120644 03140425465061000000 51270000772343473150 15643202607266777770 CYD(FJ JF9CLDU-/ (H S8+Y/M ZB 0045110 27531112626130045121 03060451650332042274 43001545502005112650 54650200467157000000 H\$IJ XD(QCFD( CZDR 8 M+/PEIV/= 8 - . 0045114 04000452006100046000 56150717000000311101 12671201561377754610 03210425460400041776 D D) D ,MGO YIAJ JA,K -HCQDU-D DO 0045120 77730451700044045165 52430000501344573140 03110451155042000072 52130000511220463660 D( 9D( )8 /K9.Y5CID(M/7 )K (JP-3 0045124 51470001012261120411 03260451300334045130 51470000222043015440 72447700160334045112 (\* AAR JDICVD(XCID(X(\* RP8A=5 9 NCID(X 0045130 63310030204516521122 03310451651521043666 04300451650613045174 62417777752112256450 Y XP+NJIRCYD( MQD3 DXD( FKD( 6 0.111 / 0045134 61330000020640045137 20452154467264000002 37662032604254663441 71447776767367477736 O BF5D(4P+Q=-**\*** 3 B4 PZ 7= 16 9 0045140 03260425467327411442 72110000004373076250 03240451740301045150 27242360136140000020 CVDU- H6L7 I 8 G /CTD( CAD(/HTS K 5 P 0045144 63514766200656045174 61600451473766056120 63560040004472246000 26242430606352043730 (\* PF.DC DC+4 E P. 5 9 T VITX 1D4X 0045150 51170000715147000074 20114117746333315110 12771561505773165513 26635545506160045155 (D (\* PI6O OY(HJ M /. N KV +/ D( 0045154 73650556710400044722 52130000514300176210 50420000721260154610 36742511700006454740 E+ D D\*RIK (8 D H/7 J M-H3 UI F+\*5 0045160 22232366211075554610 43030207235110041767 15550217731261546000 70527777571167654650 RSS QH -H8CBGS(HDO M BO J - ) .I -/ 0045164 04000455446100046000 56150116012015713777 03210424237140000005 12664546100400041776 D D 9 D +MANAPM 4 CQDTS 5 EJ +-HD DO 0045170 56150734507170000011 11101031404517276710 12617137775461054750 04000417776100046000 +MG1/ IIHHY5+DW HJ 4 = E+/D DU D 0045174 56150712000000311101 36621546106100046000 70527777571377776000 52730000506100046000 +MGJ YIA3 M-H D ) .K ) / D 0045200 51200417635245000022 03120424157621120443 71303415012053512705 20352613004520612173 (PDO )+ RCJDTM QJD8 X1MAP\$(WEP2VK +P Q 0045204 20230126120324042043 04000424236100046000 03010424235455043630 15056205235140041767 PSAVJCTDP8D DTS D CADTS= D3XME ESC5DD 0045210 13777032504177612740 54750020004242346000 51270000226365020230 06160425465113000050 K Z/6 W5= P 771 (W R BBXFNDU-(K / 0045214 06640425461571015420 56363137477244770014 03170425460334042546 43252741304356715112 F DU-M A=P,3Y4+ 9 LCDDU-C1DU-8UM6X8, LJ 0045220 71600045402044646000 51600455141244146000 43766511004551115737 51200455142037363570 +5P9 ( D LJ9L 8 I +(I.4(PD LP432 0045224 72627767175462022151 03330425467165777761 71257777750306045365 20323157302034427757 0= BQ(CODU-U CFD\$ PZY.XP17 . /7= 2 CQD12CJD10D D12 , DFND DG/D D 0045234 07450455046100046000 03340452466160006021 54231635200756045506 61600077770765045506 G+D D C1D)-Q=SN2PG,D F 0045240 57151156150301045502 20607155105216000074 21506131124323011121 51200000571211521260 .MI.MCAD BP HIN Q/ YJBSAIQIP .JIJJ 0045244 03110455001326220622 15220124460302042423 51200455122045226157 22652521400010221160 CID KVRFRMRAT-CBDTS(PD JP+R .R UQ5 HRI 0045250 52240000202042222516 03010452535411020130 03210454736100046000 10122201060331045473 )T PP7RUNCAD)\$\*IBAXCQD= D HJRAFCYD= 0045254 20352636300326045267 71157777710311045257 76661030604526711707 03250452634350211554 P2V3XCVD) M CIDI. HX +V OGCUD) 8/OM-0045260 71110000012050213151 63610030104254653146 03310452672014463610 15520202600616045443 [ AP/QY( XH7= Y-CYD) PL-3HM)BB FND=8 0045264 15620205067327620606 03320454433725273666 03320454436100046000 20430636404357120444 M BEF N FFCZD=84UN3 CZD=8 D P8F358.JD7 0045270 50220000442256515125 20322715577777520572 72330000006255777766 06500425460255045305 /R 9R, ((UPZWM. )E 0 0045274 03250453050400045503 03250453140400045324 03250453520400045324 03250453650400042546 CUD\$ED D CCUD\$LD D\$TCUD\$1D D\$TCUD\$ D DU-0045300 03250425460400045370 03250453700400045415 03250454150400045425 03250425460400045330 CUDU-D D\$ CUD\$ D D=MCUD+MD D=UCUDU-D D\$X 0045304 03250454240400045330 43670227665012777735 15727201300307045477 15110721177001420102 CUD=TD D\$X8 BH /J ZM AXCGD= MIGQO A7AB 0045310 03310453136251000000 51270000642265615226 71500000640312045444 70517777550400045433 CYD\$K ( (W R )V / CJD=9 ( D D=0 0045314 76310225636052777713 37725031604532020503 11752435702170336117 22565231611175222301 YBU ) K4 /Y +ZBECI T2 Q O UR, JY I RSA 0045320 03010454775117000112 54720676053771313555 54710030604544453160 12731547100400045444 CAD= (0 AJ= F E4 Y2 = X +9+Y J M\*HD D=9 0045324 03010454777155000007 73770635337217777676 03310453367150000062 04000454446100046000 CAD= G F20 0 CYD\$3 / D D=9 D 0045330 03010454777155000001 73770542102211211312 63520033304254646000 03310455046367546000 CAD= A E7HRIQKJ ) OX7\* CYD D \* 0045334 06150455046352346000 07460455040332045443 61600453370400045515 10244761500315045341 FMD D 31 G-D DCZD\*8 D\$4D D MHT\* /CMD\$6 0045340 62560000007261000000 53160655156160045343 76540040004472246000 10422634305314043266 , SNF M D\$8 = 5 9 T H7V1X\$LDZ 0045344 15212430607222777737 03320455032012237615 15360542202065236725 54610205303677543201 MOTX R 4CZD CPJS MM3E7PP S U= BEX3 =ZA

.. O GDD.E YDX /8 E

0045350 54720030304550320272 12442040004550346000 436702376250127777734 15576723177777721314 = XX+/ZB J9P5 +/1 8 B4 /J IM. SD 0045354 50227777355012000057 20230156205022000055 20111726677001616116 03210453607255000040 /R 2/J .PSA.P/R PIOV A NCQD 1 0045360 03030453625110000043 20267201571131214333 03330453637255000020 53140201221110112615 CCD\$ (H 8PV A.IYQ80C0D\$ **P\$LBARIHIVM** 0045364 20652546100400045503 51170001121366615510 51630000500305045503 67601135550400045444 P U-HD D C(D AJK H 0045370 76760217026267000060 76610223661273222201 61550000055012000026 13555045004537620157 808 BS J RRA E/J VK /+ +4 A. 0045374 03310454731567354620 04000454446100046000 03020454775012777733 15210547201160121606 CYD= M 2-PD D=9 D CBD= /J OMQE+PI JNF 0045400 0302045445110041767 22207103115316113331 21344207140313045444 51100455131537043715 CBD=9(HDD RP C1\$N10YQ17GLCKD=9(HD KM4D4M 0045404 11112203444327020254 27303243436644415337 66444232421112176610 03130454050311045444 IIRC98WBB=WXZ88 96\$4 97Z7IJO HCKD=ECID=9 0045410 50127777352013015710 50120000266247770014 06400454442061412716 70527777135071000000 /J 2PKA.H/J V \* LF5D=9P 6WN ) K/ 0045414 04000454336100046000 76310226632060311762 03250454220301045477 71500000570317045444 D D=O D YBV P YO CUD=RCAD= / .COD=9 0045420 51170001123671313662 54710546200400045503 71307777760317045420 71500000610400045444 (0 AJ3 Y3 = E-PD D C X CDD=P / D D=9 0045424 43201202731242446000 71500000400334045444 71500000422670743201 03070454445313312424 8PJB J79 / 5C1D=9 / 7V ZACGD=9\$KYTT 0045430 43606543304325215636 74510114242230115552 54630124450400045222 53240511000005020430 8 8X8UQ,3 (ALTRXI )= AT+D DJR\$TEI EBDX 0045434 75733730400301042423 20020544312260212070 22704526100000354761 03030452005343346000 4X5CADTSPBE9YR QP R +VH 2\* CCD) \$81 0045440 61600000046100046000 10644676615466154441 05600454410400045200 71500000436661043060 D D H - = M96E D=6D D) / 8 DX0045444 54130436062056676210 15716635400324045460 22304107112030253140 03330454602076611323 =KD3FP, HM 25CTD= RX6GIPXUY5CDD= P KS 0045450 36332367732073037772 15116364431537012151 12612207527150000040 54610205660336045460 30S P C MI 8M4AQ(J RG) / 5= BE C3D= 0045454 71500000000303045460 51100455147231776717 03330454605214000000 54730103110660045222 / CCD= (HD L Y OCOD= )L = ACIF DIR 0045460 12657126261377754630 06600417765615067606 66511065604550754750 51200417671071121130 J VVK -XF DD ,MF F (H +/ \*/(PDD H JIX 0045464 51460000207331012232 15340114040303041777 20022214065334111303 13623207210316041777 (- P YARZMIALDCCDD PBRLF\$11KCK ZGQCNDD 0045470 21773765600400045544 26157713577775176570 03030454336100046000 71500000440326045444 Q 4 D D 9VM K. Q CCD=Q D / 9CVD=9 0045474 50217777612043063640 20444436702216615621 03160454446100046000 71500000630400045444 /Q P8F35P993 RN ,QCND=9 D 0045500 62557777767225777773 04500454710302045471 71500000450400045444 13555666100400045444 D/D= CBD= / +D D=9K + HD D=9 U 0045504 71500000426160777775 43060040004544446000 71500000410400045444 05610425467170000012 / 7 8F 5 +99 / 6D D=9E DU-0045510 04000423226100046000 1010400002020000000 00504000001460000000 00003567356735673567 D DSR D HH5 BB /5 L 2 2 2 2 0045514 0000000000000001300 71340000005110045514 61400000020660045520 61400000026760646000 K 1 (HD L 5 BF D P 5 B 0045520 72277776760332045525 23141211032010337271 03320455252120546000 03020455257170000100 W CZD USLJICPHO CZD UQP= CBD U 0045524 37217033204552522701 10277541102224263470 37712547100266000000 06530451762152276410 49 OP+) JWAHW 6HRTV1 4 U#HB FIDE OIM H 0045530 43066531351555012741 72617777434320615060 20566151722076612651 03000455357200777771 BF Y2M AW6 88P / P. ( P V(C D 2 0045534 03100455437101000000 03050455377160000040 20666121166100046000 63670125450663045176 CHD 8 A CED 4 5P QN D 0045540 53336360042000615232 36601127252045254730 37664460006100046000 13777546100400041776 \$0 DP 123 IWUP+U\*X4 9 0045544 52150000202072322311 03230455614320276310 13612215075461020357 63450233435120041757 JM PP ZSICSD 8PW HK RMG= BC. +B08(PDO. 0045550 12623761705462020507 61300455531366663750 27006040004241746000 62710000000337042175 J 4 = BEG XD \$K 4/W 5 76 0045554 04000447416100046000 51270000225235000022 26642264530745045560 03170417770754041777 D D+6 D (W R)2 RV R \$G+D CDDG G=DD 0045560 54110637500400042056 13666270060337042175 03170417770321041777 04000447416100046000 =1F4/D DP.K FC4DQ CODO CQDO D D\*6 D 0045564 52130000502054413515 52130000511555046000 03150441100331041776 62610000000460041776 )K /P=62M)K (M D CMD6HCYD0 0045570 04610451764360136013 62610000020663045176 54451126612270454241 53700107222044753701 D D( 8 K K BF D( =+IV R +76\$ AGRP9 4A 0045574 54610137770324041776 51400417675313113441 21422134420314041776 36131531107160000003 = A4 CTDQ (5DQ \$KI16Q7Q17CLDQ 3KMYH 0045600 12616546100400041776 76570760700400042107 15724635005472063710 51370000045142000004 J -HD DD .G D DQGM -2 = F4H(4 D[7 D 0045604 43230113233774356371 54740564211112337741 55421567215130000106 15332154422114437434 8SAKS4 2 = E QIJO 6 7M Q(X AFMOQ=7QL8 1 0045610 55341532113611226363 04570456130560045613 03340456156160000006 50437777732776337664 IMZI3IR D.D.KE D.KCID,M F/8 0045614 13222164445463154730 43652204222062211662 16664546200400042112 51200456226337022132 KRQ 9= M\*X8 RDRP QN N +-PD DQJ[PD.R 4BQZ 0045620 03210423235127000016 27632546200400045601 30400460006100046000 63550430306265000020 CQDSS(N NW U-PD D.AX5D D P 0045624 06150425460664042546 07600425465040045653 56335202441063354331 53640367231130320330 FMDU-F DU-G DU-/5D,\$,0)B9H 28Y\$ C SIXZCX 0045630 27603537413711354331 51620000161120310733 20230547713711254331 51220000041073354331 W 2464128Y( NIPYGOPSE\* 41U8Y(R DH 28Y 0045634 03310425465412111202 11101366231130354771 37113543315467110733 11303102443711354331 CYDU-=JIJBIHK SIX2+ 4128Y= IGOIXYB94128Y 0045640 20130033104254620206 15330112025476112723 43663613004564654771 54331153301232373040 PK OH7= BFMOAJB= IMS8 3K + # =0[\$XJZ4X5 0045644 10733216015477154331 03160456440400042150 76310434525120000106 20351127351133554750 H ZNA= MBYCND.9D DQ/ YDI)(P AFP21W2IO +/ 0045650 21522154547657036724 51720000170313042110 51620000120400042110 00000456550000045655 q)q== .C T( OCKDQH( JD DOH D. D/T D/T 6= E PH  $0045664 \quad 0000000001760000576 \quad 000000000000001232 \quad 000000000000000000 \quad 0000012300000001232$ 0 E JZ JX JΖ D BW E DAAM EE 0045674 0000000000000000577 73410214146130045701 03040445462140166600 03040445466130045727 E 68LL XD.ACDD+-Q5N CDD+- XD.W 0045700 04000445466100046000 15235430705443156160 21330214301533516454 63430200106323620302 D D+- D MS=X =8M QOBLXMO( = BB H S CB 0045704 63540377234347063370 63740137776647413666 06400457076777446000 20704155106677112665 \*C S8\*FO A4 \*63 F5D.G 9 P 6 H IV 0045710 15514206045411112775 05700457074766647777 63565633730704045705 76310430645043000005 M(7FD=IIW E D.G\*

E,35700,76000. EXPRESS 11 0.5V - 1020 79/10/30. 15.19.41. PAGE 31 0000000 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. NOS 1-8J03T/R2B. NOS 1.4 STUDY DUMP. 0045714 13777043004571512773 20773045004571612773 15240207700302045723 66711552474346121214 K 8 + (W P X+ + W MTBG CBD.S M)+8-JJL 0045720 61300457212070443072 21214207731562015124 6177777760312045733 76310131117651066400 XD.QP 9X QQ7G M ALT 0045724 61500442320307044543 20304541311261320751 54610547500400044232 21330613004573215335 /D7ZCGD+8PX+6YJ ZG1= E+/D D7ZQOFK + Q\$2 0045730 43461632364307213777 66710040004573546000 20744547500400044232 21102624600006053116 8-NZ38GQ4 5 + \* P +\*/D D7ZQHVT FEYN 0045734 22641032604575515124 77362151142030263410 15114733311561063510 05700457400545045752 R HZ + ((T 3Q(LPXV1HMI\*0YM F2HE D.5E+D.) 0045740 76150625600007020602 63411211025311622551 63560206011155363565 75612221511166521160 MFU GBFB 6JIB\$I U( +BFAI 32 RQ(I )I 0045744 03260457550331045736 05700457515013000003 77562201602050215114 37535473113761563430 CVD. CYD.3E D.1/K C ,RA P/Q(L45= 14 ,1X 0045750 03260457550541045755 02330000006100046000 50130000052015246000 03210457405013000001 CVD. E6D. BO D /K EPMT CQD.5/K A 0045754 20102033104574046000 76310127370233000000 00043132000000000436 000000000000000000 PHPOH+ D YAW480 DYZ 03 D., G **₩** A 0+ E G 0046020 00777700043553046016 70070000005422000002 0000000010066000000 0000000005421000034 DPA D N D2SD N G #R **=** 0 1 = TD2 #U X 01 ΕX 0046040 0000000046037000001 00777700043553046037 70070000005432000002 00000000010756000000 ICOPPU EXPACK DPA D210 4 G = Z B AG, -Y 1 -102 -Y 1 65 8 T II=PPU EXPACK NN OF n G **\*6** N + 0046074 4650000000000000000 4670000000000000000 0000000003000524265 00010060551411006103 -/ OK X 17 LI C DA N9 0046114 77777777777777000000 465000000000000000000 46700000000000000 46570041710066004217 70 26 V 0046120 46770041710066004217 20202555053020010313 0004200100000000000 00000000046122000001 70 70PPU EXPACK DPA  $0046124 \ 00777700000050046122 \ 70070000042273041777 \ 00000000004426776044 \ 00000000005461004400$ D R /D R G DR DO Q /DIL F-**≈** 58 PPU EXPACK DZT 0046144 00000000046143000001 00777700005470046143 70070000044640041777 00000000002022777727 5 D 8 - D 8 G D-5DO PR D + 0 Λ 1 21 ΑΛ 0046164 0004200100000000000 00000000046164000001 00777700000050046164 70070000042273041777 ρ PPU EXPACK DPA 0046170 0000000005226776044 00000000005501776001 000000000050043414 0000000005501005200 D 10 G DR DO ) V А A **/DIL** A ) N9 8 0046204 20202555053020010313 0004200100000000000 00000000046205000001 00777700043553046205 PPU EXPACK DPA 9 5 0046210 70070000005512000002 00000000010066000000 0000000005511000034 0000000005514043570 G DEA D21D E J в Α I 1 LD2 I -6 = ٧  $0046224 \quad 000000000000110703 \quad 20202555053020010313 \quad 0004200100000000000 \quad 00000000046226000001$ \$ 2 2-0046230 00777700000050046226 70070000042273041777 00000000004426776044 0000000005521004400 IGCPPU EXPACK DPA D V A /D V G DR DO QV 9 /01L 0 9 GO P5A 5 PPU EXPACK C. CO D + G

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C NOY/= A005 0046264 17245055003615055611 17326476505462761160 000000000000003264 20202555053020010313 DT/ 3ME . 10Z /= 1 Z PPU EXPACK 0046270 0004200100000000000 00000000046270000001 00777700000007046270 70070000044653041777 DPA 0 G 0-100 0046274 00000000005226000000 0000000005541041777 000000000050041776 0000000005237004600 ١v 600 /D0 14 -GT 5 NM 0046304 7777770000000000000 000000000000003456 41000610110061070100 21303634301271523042 1,6 FHI GA QX31XJ 1X7 0046310 20202555053020010313 0004322400000001006 00000000046311000001 00777700041757046311 PPU EXPACK DZT HF DIA DO.D I 0046314 70070000000060000003 0000000010066000000 0000000076001041777 0000000000620041776 C G ADO FPDO 00. F 5 DZT 0046324 000000000000000000000 00020000000021660155 000000000000000000 20020000000021660155 QA Q A PB В 0046330 0000000000000000000 20202555053020010313 000420010000000000 0000000046332000001 PPU EXPACK DPA DZA 0046334 00777700046333046332 70070000000060432600 0000000000061776000 0000000432601041777 D OD Z G 8 V BVADO DPDO 14 D B ) 0046344 0000000000000432600 00000000000000002400 000000000011660714 000000000000000000 8 V T I GL 0046350 2000000000011660714 21303634301271523042 20202555053020010313 0004200100000000000 P I GLQX31XJ 1X7PPU EXPACK DPA 0046354 00000000046353000001 00777700046354046353 7007000000050432600 0000000005572072015 D & A D -D \$ G /8V GPM 0046360 00000000432601072126 0000000005542042050 0000000005571004600 000000000000000004600 **BVAGQV** 70P/ 0046364 00000000000000020053 0000000000000432600 0001000000000000 770000000000000000 BV B \$ 0046370 0000000000000000000 21012023000100000145 000055400000000000 20202555053020010313 QAPS A A+ 5 PPU EXPACK 0046374 0004200100000000000 0000000046374000001 00777700043546046374 7007000005602777772 D 02-0 G , B 0046400 0000000014236000004 0000000005601000034 0000000005604043554 0000000005601002400 A73 D 1 .DD2 = , A · A T DA DD j DW u QT DAH D M 0046424 00000000001514777473 14732340254565307474 03354117004766472126 000000000000000000000 L S5U+ X C260 + \*QV A DW 1Y H) 9= 0046434 30742710522456054037 20202555053020010313 0004200100000000000 0000000046436000001 X WH)T.E54PPU EXPACK DPA D 3 A 0046440 00777700041757046436 7007000000006000003 0000000010066776000 00000000432601041777 DO.D 3 G С 8VAD0 FPD2 )4 F 5 , E 0046450 0000036504000000000 000000000000002400 0002000000021660155 000000000000005601 CD QA T , A 0046454 20020000000021660155 21303634301271523042 20202555053020010313 00042001000000000000 PB Q A QX31XJ JX7PPU EXPACK DPA 0046460 0000000046457000001 00777700005630046457 70070000044652041777 00000000000061777743 D . A ,XD . G D-100 0046464 00000000005631000022 000000004733044152 000000000077002400 000000000200000000 . Y R 0+0061 T Ρ A 5 8 ρ CIO H 0046500 01002255500014151006 06200200154116066010 30251006351210633511 10633510020015411606 A R / LMHFFPB M6NF HXUHF2JH 2IH 2HB M6NF 0046504 62103045120204365000 11001601050630201277 34050200150350001314 22007477230003005400 HX+JBD3/ I NAEFXPJ 1EB MC/ KLR S C = 0046510 13141402342420000000 05043044101506031404 35240100130030241214 10750437340130442200 KLLBITP EDX9HMFCLD2TA K XTJLH D41AX9R 0046514 01741140050520006740 54001214304423000640 04122300060004073044 22006000530114053444 A ISEEP 5= JLX9S F5DJS F DGX9R SALE19 0046520 30431374530114103443 30450526010013001404 34245000141510060616 02001541160660301400 X8K \$ALH18X+EVA K LDIT/ LMHFFNB M6NF XL 0046524 34303431307134320200 15411606623030451377 04031007062014003410 34113412306012373413 1X1YX 1ZB M6NF XX+K DCHGFPL 1H1111X J41K 0046530 30613414020015411602 62101601621050001405 05073020127734053021 02001526362412772300 X ILB M6NB HNA H/ LEEGXPJ 1EXQB MV3TJ S 0046534 00003424305704026220 14013544305205053044 22001777344402001541 62401401341130251075 1TX.DB PLA29X)EEX9R O 19B M6 5LALIXUH 0046540 05031404030610760503 14020302140055001377 10635500137630776311 13731400341214600200 ECLDCFH ECLBCBL K H K X IK L 1JL B 0046544 03360100011414440200 03360372002000525024 0000000001000760022 000000000100200030 C3A ALL9B C3C P 1/T H R 0046550 10300000007400740000 00005400142420350313 02000476000030452300 10000505020034131401 HX - LTP2CKB D X+S H EEB 1KLA 0046554 03113044101307031004 03021005120111015400 32332000323434152033 04060200047614003457 CIX9HKGCHDCBHEJAIA- ZOP ZIIMPODFB D L 1. 0046560 01001231302204053021 34221401342350001501 54001336140155001377 01001231031701001502 A JYXRDEXQIRLA1S/ MA= K3LA K A JYCOA MB 0046564 30053411146234121414 34131457020003360364 01001516307560103011 12400371010015253412 XEIIL 1JLL1KL.B C3C A MNX HXIJ5C A MULJ 0046570 30053411140334131457 02000336036501001540 30531006315510063154 03700200056601001552 XEIILCIKL.B C3C A M5X\$HFY HFY=C B E A M) 0046574 30766010301004701477 17010576037001001564 50000103341030776204 61701600140301001416 X HXHD L DAE C A M / ACIHX D N LCA LN 0046600 0000000004042040044 43000050640000546400 00605700007057000200 00000204000242100000 57D 98 / - . . 8 BD B7H 0046604 42140002422400024230 00004234000202400104 02500000226000002264 0002060000006404204 7L B7T B7X 71 BB5ADB/ R R BF F57D 0046610 00005523207124240310 15240311162403110000 17055523214024240310 15240311162403110000 SP TTCHMTCINTCI DE SOSTTCHMTCINTCI 0046614 21525523202315240311 16240311000020505000 14151006061114666010 30713412020015411606 Q) SPSMTCINTCI P// LMHFFIL HX 1JB M6NF 0046620 62101414342401001165 14003457200020003420 30451377041130452200 37772300050004030100 HLLITA I L 1.P P 1PX+K DIX+R 4 S E DCA

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PAGE NOS 1.4 STUDY DUMP.

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0046624 12310200221605041406 01001416304434302000 32343415203302060200 04760306140034571410 JYB RNEDLFA LNX91XP Z11MPOBFB D CFL 1.LH 0046630 01001416300405152000 32343415203304060200 04761400345714160100 14163030344420000307 A LNXDEMP Z11MPODFB D L 1.LNA LNXX19P CG 0046634 54002056305717016010 01002563304513732300 64000503010014622300 62002200377705072035 = P+X+OA HA U X+K S ECA L S 0046640 03070200047601001165 20350306037130452300 64000503010014622300 61002200377705030200 CGB D A 1 P2CFC X+S ECA L S 0046644 33211400342401001165 30220413303504052035 03060200047620350302 02000476010017051401 OQL 1TA I XRDKX2DEP2CFB D P2CBB D A DELA 0046650 34471063344601002113 30461014334704662377 77770567304510060605 20006400344503603045 1\*H 1-A QKX-HLO\*D S E X+HFFEP 0046654 13141114344503473035 04052035030602000476 20350304020004760200 15411602601016016210 KLIL1+C\*X2DEP2CFB D P2CDB D B M6NB HNA H 0046660 01001300010021623005 34113006341214023413 14570200033630110463 15003401140002000336 A K A Q XE11XF II JLB1KL.B C3XID M 1AL B C3 0046664 30741620601030110551 37010666035014000100 22151440340140011071 04201745066640011277 X NP HXIE(4AF C/L A RML51A5AH DPO+F 5AJ 0046670 04151745066136011143 05633043107117450753 03514001054736011143 05733043107105413040 DMD+F 3AIBE X8H D+G\$C(5AE+3AIBE X8H E6X5 0046674 03401400345734351430 34263053101434471063 12373453020015416040 16016030160360633052 C5L 1.12LX1VX\$HL1\*H J41\$B M6 5NA XNC XI 0046700 10063347344710633446 30331014127734523033 12373460303434613052 17020605303122003777 HFO\*1\*H 1-X0HLJ 1)X0J41 X11 X)OBFEXYR 4 0046704 03023031540014153053 10143354170207061606 31521071325607041400 01001416200016003425 CBXY= LMX\$HLO=OBGFNFY)H Z,GDL A LNP N 1U 0046710 30441204107634453044 17400734140235254025 05052035030102000476 33442200077405645025 X9JDH 1+X905G1LB2U5UEEP2CAB D 09R G E /U 0046714 00013445137704133043 12741174050530451314 11103445020021143044 12025500132130435400 A1+K DKX8J I EEX+KLIH1+B QLX9JB KQX8= 0046720 14141274117405143044 22000774112405071410 35440200154162400304 30431377344330442200 LLJ I ELX9R G ITEGLH29B M6 5CDX8K 18X9R 0046724 07743444140460201400 34223063322007133063 32210610306360101601 34573020342203221402 G 19LD PL 1RX ZPGKX ZQFHX HNA1.XP1RCRLB 0046730 35206010332105153044 23000110050720350312 02000476010025630100 17253010045533400553 2P HOGENKYS AHEGP2CJB D A U A DUXHD 05E\$ 0046734 30143351123705473011 33410544301233420541 30133343137705613020 33220403362034573077 XLO(J4E\*XIO6E9XJ07E6XKOBK E XPORDC3P1.X 0046740 62103057341414003413 14560200033630110406 14003457141001001416 30576020170160103024 HX.1LL 1KL.B C3XIDFL 1.LHA LNX. POA HXT 0046744 22007700230000005400 13143014107111125400 11003013127755003171 12040430304513770511 R S = KLXLH IJ= I XKJ Y JDDXX+K EI 0046750 30742100010160013001 10170613031510711164 04121174041011101257 11570404140501001416 X Q AA AXAHOFKCHH I DJI DHIHJ.I.DDLEA LN 0046754 30201277050334300313 51000515600130042200 37773430300110060607 40251007063214230100 XPJ ECIXCK( EH AXDR 4 1XXAHFFG5UHGFZLSA 0046760 14163030230024240403 20004000353054003136 30312200377734315000 14152200377754001415 LNXXS TTDCP 5 2X= Y3XYR 4 1Y/ LMR 4 = LM 0046764 40251006074730451202 04132000166354003132 30131201042514150100 14163045137704171071 5UHFG\*X+JBDKP N = YZXKJADULHA LNX+K DDH 0046770 12571157040530452300 10000503010014252000 16755400313230520503 01003047303023005524 J.I.DEX+S H ECA LUP N = YZXJEGA X\*XXS T 0046774 04072300030004030100 30221401340130442200 07742300011005052000 02005500301130221067 DGS C DCA XRLALAX9R G S AHEEP B XIXRH 0047000 11010407110204041107 05151420164021004002 34303001100635303024 10641002353030571701 1ADGIBDDIGEMLPN5Q 5B1XXAHF2XXTH HB2XX.DA 0047004 34630200154116016230 16036263500014151006 06110200154116066030 30333134040236350200 1 B M6NA XNC / LMHFFIB M6NF XXOY1DB32B 0047010 15411602600116016010 30143465306612373466 10143367170110713256 06373013123734643266 M6NB ANA HXLL X J41 HLO DAH Z+F4XKJ41 Z 0047014 10143165326706273064 32601014316532610721 30053463300412373462 32661014316332670607 HLY Z FWX Z HLY Z GQXEL XDJ41 Z HLY Z FG 0047020 30623260101431633261 06041402010014162000 16513403400323001523 22003777040714023503 X Z HLY Z FDLBA LNP N(1C5CS MSR 4 DGLB2C 0047024 40030567010032145000 31362300152305353052 17020607500014152200 73775400141550001100 5CE A ZL/ Y35 MSEZX108FG/ LMR = LM/ I 0047030 05211400123004163020 12773405302134060200 21630404140401001416 54001405400310060606 EQL JXDNXPJ 1EXQ1FB Q DDLDA LN= LE5CHFFF 0047034 50030001340101010000 50030001233500000200 0476000000000000000 35030100322700000062 /C Alaaa /C AS2 B D  $0047040 \ \ 00000000200033473401 \ \ 40013344220007740410 \ \ 14023501400105701414 \ \ 01001416200016003425$ P 0+1A5A09R G DHLB2A5AE LLA LNP N 1U 0047044 40014425500100015425 00012200377723000500 05153044124010732300 71025400256520000400 5A9U/A A=U AR 4 S E EMX9J5H S B= U P D 0047050 54002567031023000300 05052000710054002565 01002373010033205000 31362200377723001605 = U CHS C EEP = U A S A OP/ Y3R 4 5 NE 0047054 05670200154116046010 14013412301312773413 02001541160462100351 01000500010405002110 E B M6ND HLAIJXKJ 1KB M6ND HC(A E ADE QH 0047060 45000114100001200500 01300600014045000144 45000150460001604500 01704600017446000300 + ALH APE AXF A5+ A9+ A/- A + A - A - C 0047064 05000330060003404500 03504600037046000000 01003412500031362300 15230571305717016010 E CXF C5+ C/- C - A 1J/ Y35 MSE X.OA H 0047070 30131201056330141071 34013022040750013547 04533401010100000100 12311400340734233422 XKJAE XLH 1AXRDG/AZ+D\$1AAA A JYL 1G1S1R 0047074 30141340341430571701 62103020127734113021 22003777341230073413 14430200033630135400 XLK51LX.OA HXPJ 11XQR 4 1JXG1KL8B C3XK-0047100 14033014540014042000 14005400135701001231 30213406342230131230 04030100341230201277 LCXL= LDP L = K.A JYXQ1F1RXKJXDCA 1JXPJ 0047104 34051401342334070200 05130200356706030200 15650200056650001314 22007477230003005400 1ELA151GB EKB 2 FCB M B E / KLR 5 C = 0047110 13140100345634440000 34443444000000000000 0000000350635060000 00003444344401003566 KLA 1,19 1919 2F2F 0047114 30570404170161736766 14276170700030065400 67753007540067761400 54006765540067642000 X.DDQA XG= L = = P 0047120 67640200056301003566 35030200160000000121 00000000140034240200 22321071050730441074 BEA22CBN AQ L 1TB RZH EGX9H 0047124 11020403010011651400 34353425304410741277 11010405203503030200 04763020127734053022 IBDCA I L 121UX9H J IADEPZCCB D XPJ 1EXR 0047130 34063023340702001517 05125600222402002232 10701776060355002145 14003430343134323062 1FXS1GB MOEJ, RTB RZH O FC Q+L 1X1Y1ZX 0047134 34333063343402000513 30101007061514046010 36106010301133210506 02000513144055000110 10X 11B EKXHHGFMLD H3H HX10QEFB EKL5 AH 0047140 14000200033602002252 01002000020015533006 34223007342330241214 32350603140034243025 L B C3B RIA P B M\$XF1RXG15XTJLZ2FCL 1TXU 0047144 10025500137710635500 13760100110214143424 50006765340104173407 10060605107134061400 HB K H K A IBLL1T/ 1AD01GHFFEH 1FL 0047150 34071410342401001774 02002252030637250100 17223703063020000000 60103013323310143114 1GLH1TA D B RICF4UA OR4CFXP 0047154 32341701060321000000 21777677075510710306 17011015340310053203 34033625325606412000 Z1QAFCQ Q G H CFDAHM1CHEZC1C3UZ,F6P 0047160 67640200056006030200 15651056341650006764 05030100174734071006 06051071340614003407 B E FCB M H.IN/ ECA O\*1GHFFEH 1FL 1G 0047164 30552300000004030200 22525000676534010524 01002225310134025400 67651400540267660306 X S DCB R)/ 1AETA RUYA1B= L =B CF

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NOS 1.4 STUDY DUMP.

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KTEFX VL - RTA RJ18 0047200 30013202341010023110 21006766540022033033 10143134210000006310 67663002050421000000 XAZBIHHBYHQ = RCXOHLY1Q 0047204 03072000000063026766 21777777321634341063 34332000000062303001 32163371050534240100 CGP B Q ZN11H 10P 0047210 17760000140434240100 17740100223130643262 10143165326317010667 10063166326010143167 0 LDITA O A RYX Z HLY Z OAF HFY Z HLY 0047214 32610360010022513055 53002061047230663260 10143167326154002013 10632300210054002012 Z C A R(X \$ P D X Z HLY Z = PKH S Q = PJ 0047220 20002177336654002120 15003367540021213061 54002176306023002100 54002175305554002061 P Q O = QPM O = QQX = Q X S Q = Q X = P 0047224 10065400217023007777 54002133540022051063 23002100540021671177 54002132540022043060 HF= Q S = QO= REH S Q = Q I = QZ= RDX 0047230 10063155100631615400 22011063230020005400 22000200154116025400 22135400200110632300 HFY HFY = RAH S P = R B M6NB= RK= PAH S 0047234 20005400221254002000 56002001106355002000 30661006315510063167 54002127106323002100 P = RJ= P , PAH P X HFY HFY = QWH S Q 0047240 54002126010022511013 0712101100000000000 35030300242200000175 01002427200024523401 = QVA R(HKGJHI 2CC TR A A THP T)1A 0047244 14023501400105051414 34240100110233441303 05655001000134010101 00000001247300202526 LB2A5AEELLITA IB09KCE /A ALAAA AT PUV 0047250 02002663021027670230 27630250251006002501 00002000177454002223 01002427140054001766 B V BHW BXW B/UHF UA P D = RSA TWL = D 0047254 54001767141403021410 34352000200054002230 30715400221520001776 54002216035120002534 = 0 LLCBLH12P P = RXX = RMP Q = RNC(P UI 0047260 54001775010024273024 12140407121005030100 26370100172220002615 54002223540022302000 = 0 A THXT JLDG JHECA V4A DRP VM= RS= RXP 0047264 17225400177514043424 34353625200067640200 35435400261604243033 34623034346302002232 OR= 0 LD1T123UP B 28= VNDTX01 X11 B RZ 0047270 34033201060430033401 04100200225214003416 30010100211420000000 10710417560026621237 1CZAFDXCIADHB R)L INXAA QLP H DO, V J4 0047274 05030200056636252000 67640200354354002616 03565000676404075000 14141274117405120351 ECB E 3UP B 28= VNC,/ 0047300 14103424500067650504 37251414342401001722 00002000676154002131 54002161540021721502 LH1T/ ED4ULLITA OR P - QY- Q - Q MB 0047304 55002015200001005500 20205000241754002070 50002420540020715000 24215400207214005400 PMP A PP/ TD= P / 0047310 67615400676354007466 30715400676250001414 12743543127711740407 20002747540017670100 = = X = / LLJ 28J I DGP W+= 0 A 0047314 25060100251002002252 14175400676614005400 67653401341601002110 20003107540022233052 UFA UHB R)LO= L = 1A1NA QHP YG= RSX) 0047320 05041407010014162000 31075400223020003357 54001746200036013437 02001541160560103013 EDLGA LNP YG= RXP 0.= D-P 3A14B M6NE HXK 0047324 12373434301434353013 10060613302244373023 54370001140235373635 10633534302012773405 J411XL12XKHFFKXR94XS=4 ALB2432H 21XPJ 1E 0047330 02000513301410031620 21776777540031715400 33215400334010635500 31705400332054003337 B EKXLHCNPQ = Y = 0Q= 05H Y = 0P= 04 0047334 02003156140044373037 23003601041233373437 40373422503700013423 01002427010033571402 B Y.L 94X4S 3ADJ0414541R/4 AISA THA O.LB 0047340 35374037052030372177 11770710140144371400 54003377010017221410 34240100172250370001 2454EPX4Q I GHLA94L = 0 A ORLHITA OR/4 A 0047344 34073025550013771400 34254037330604073306 34060200051302003461 01002000010031551401 1GXU K L 1U540FDG0F1FB EKB 1 A P A Y LA 0047350 34331063343214013407 30213406107521007777 60103006120334015001 00103403100606045000 10H 1ZLAIGXQ1FH Q 0047354 01063403303721771177 06433034101433351071 32560704140701001416 30341006315510063135 AF1CX4Q I F8X1HLO2H Z.GDLGA LNX1HFY HFY2 0047360 60103014343131130454 30133430303132333402 06043602150103021400 31303232340106030100 HXL1YYKD=XK1XXYZ01BFD3BHACBL YXZZ1AFCA 0047364 31573007350210633101 05263002543700013203 06213006443730303432 30313433503700013407 Y.XG2BH YAEVXB=4 AZCFQXF94XX1ZXY10/4 AIG 0047370 36351063353414023537 01003206300332073533 10633532140034073006 10752100777760103006 32H 21LB24A ZFXCZG20H 2ZL 1GXFH Q 0047374 12033401500100103406 10060704142201001416 10672100777760103006 12033401500100103403 JC1A/A H1FHFGDLRA LNH Q HXFJC1A/A HLC 0047400 10060604500001063403 01003237020015411605 60103037217741761076 35141063311312373413 HFFD/ AF1CA Z48 H6NE HX4Q 6 H 2LH YKJ41K 0047404 40370405200040003513 14101110342402001541 16056210500014151006 07030100110230131237 54DEP 5 2KLHIH1TB M6NE H/ LMHFGCA IBXKJ4 0047410 10063155100631141701 60103013340230143401 02001541160660103012 12773412300110063512 HFY HFYLOA HXK1BXL1AB M6NF HXJJ 1JXAHF2J 0047414 33123102100634111063 34100200154116066210 01001102010034600200 15411605601030372177 0JYBHF1IH 1HB M6NF HA IBA 1 B M6NE HX4Q 0047420 41761076351430131237 10063155100631141701 61703534601050003537 32130514301452003540 6 H 2LXKJ4HFY HFYLOA 21 H/ 24ZKELXL) 25 0047424 06052100020007050312 21777576060714035500 13771063550013760100 3460000000000000 FEQ B GECJQ FGLC K H K A 1 0047430 00003001010035423403 02000560060302001565 50030001340140030505 34015003000104573407 XAA 271CB E FCB M /C A1A5CEE1A/C AD-1G 0047434 10060653107134061400 34074003040350030001 34010100354200000000 35030400160000000375 HFF\$H 1FL 1G5CDC/C A1AA 27 2CD N C 0047440 00000000306232641014 31633265060710063166 32601014316732610503 57002360107654003060 X Z HLY Z FGHFY Z HLY Z EC. S H = X 0047444 10723402107054003057 02001517051214025400 25623002107617760603 55002511300205263044 H 18H = X.B MOEJLB= U XBH O FC UIXBEVX9 0047450 10740503010013001207 11010473110304145000 23600511302412061102 04055400233754002340 H ECA K JGIAD ICDL/ S EIXTJFIBDE= 54\* 55 0047454 30562300777754002642 30441104050620002361 54002650032612200424 14005400264354002562 x,s = v7x91DEFP S = v/CvJPDTL = v8= U 0047460 54002426207773775500 24302000004755002433 50004121540024413044 10120617101012700414 = TVP TXP \* TO/ 6Q = T6X9HJFOHHJ DL 0047464 30241302110234242000 76775400114430715400 11460100222401001766 50001100057330741621 XTKBIBITP = 19X = 1-A RTA O / 1 E X NQ 0047470 60011645601030141066 05173004127734011404 60103013101131011003 31141605601030141066 AN+ HXLH EDXDJ 1ALD HXKHIYAHCYLNE HXLH 0047474 10013401500121163406 50012117340731060503 01001766302012773405 02000513301410031620 HA1A/AQN1F/AQ01GYFECA O XPJ 1EB EKXLHCNP 0047500 32725400207210635500 20713021340133220427 30075200010634070604 36073706071430011075 Z = P H P XQ1A0RDWXG) AF1GFD3G4FGLXAH 0047504 21007777601030011203 34015001001003521411 01001416300732233407 06043607370607660100 Q HXAJCIA/A HC)LIA LNXGZSIGFD3G4FG A  $0047510 \ 176600000000000001000 \ 00002000000050000001 \ 00000005000000100000 \ 00000000140234120100 \ 0$ H P / A E H 0047514 21403006107112771102 04671101046514060364 01002153200037775400 67641477540067653057 Q5XFH J IBD IAD LFC A Q\$P 4 = 0047520 04065400677717016170 67663005540067733006 54006774142761707000 56007000140034071601 DF= OA XE= XF= LW , L 1GNA 0047524 54006775203067640200 05635000677534070100 21533056160134471400 34463044110405072000 = PX B E / 1GA Q\$X,NA1\*L 1-X9IDEGP 0047530 20005400261714023447 10741203041611010414 11013447500030571014 53003060107235471063 P = VOLB1\*H JCDNIADLIA1\*/ X.HL\$ X H 2\*H

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X N AXA AXA- .YXR- .DXS- .FXQ 0050500 34063057170154006152 60103020020061350523 54005731500067721337 54006772307763706766 1FX.UA= ) HXPB ZES= .Y/ K4= X 0050504 - 63707106307761700000 - 60200100567630741621 - 60011650601030041277 - 54005477110304153010FΧ PA + X NQ AN/ HXDJ = = ICDMXH 0050510 60051701540061526010 30050200613554005515 04222000050134011400 54016764370106735000 EQA= ) HXEB 2= MDRP EALAL =A 4AF / 0050514 54771100050615005400 72505400725114173401 14005401703637010673 20005473041720005476 = I EFM = /= (LOIAL =A 34AF P = DOP = 0050520 11010421110104171466 60106170707417016170 70670326200055140505 50005477110204260200 IADQIADOL H OA CVP LEE/ = IBDVB 0050524 57666170707402006004 04031601030330741667 60106170706730131237 54007101301454007102 . B DOCNACCX N H XKJ4= AXL= B 0050530 14276170712516736010 30105400705754007105 02005766617071130200 60040405160161707120 LW UN HXH= .= EB . KB DOENA 0050534 03063074166761707120 16056010500071161377 54007116140054007117 30201277342050005677 CFX N PNE H/ NK = NL = OXPJ 1P/ , 0050540 34041100050754007066 20001116010056743004 11020517140054007063 10063520301410715400 1DI EG= P INA + XDIBEOL = HF2PXLH = 0050544 70431440540070661400 03231101052354007062 30235400706310063520 30141277540070431410 8L5= L CSIAES= XS= HF2PXLJ = 8LH 0050550 54007066200003205400 70652000567634041102 05162000000021000000 04115000570454007040 = P CP= P , 1DIBENP 0050554 50005706540070415000 54740424305760103010 10710505200000001071 04131771040416010607 / FF 6/ = DTX. HXHH EEP 0050560 16705400710214005400 71013004110004135000 71013322220007773322 34225000710234230100 N = BL = AXDE DK/ AORR G ORIR/ BISA 0050564 53160100576530741666 60103013127751000515 60103014100316040362 01006003307421000101 \$NA . X N HXKJ ( EM HXLHCNDC A CX Q AA 0050570 60103010120404673013 12371014331404621014 31551006035601006025 54006113050750007155 HXHJDD XKJ4HLOLD HLY HFC+A U= KEG/ 0050574 13011101540071551401 54007125302012773405 02000513302134060200 62011407350310633502 KAIA- LA- UXPJ 1EB EKXQ1FB ALG2CH 2B 0050600 12071014330310745400 70613002107454007060 30575400677750006771 12775400705514003457 JGHLOCH = XBH = X.= / J = L 1. 0050604 30213406020062610200 05662000000105143005 23006000341130063412 14043413145702000336 XQ1FB B E P AELXES 11XF1JLD1KL-B C3 0050610 01006025020005660100 61341277340530141014 06130200051314000200 52400461200061510200 A UB E A 1J 1EXLHLFKB EKL B 15D P (B 0050614 50553020127734051401 01006134010061633400 10663500140460103013 10143114310060100363 / XPJ 1ELAA 1A 1 H 2 LD HXKHLYLY HC 0050620 01006200020005133014 10031620327254006226 10632300210054006225 14003403340234003006 A B EKXLHCNP2 = VH S Q = UL 1C181 XF 0050624 10752100777760103006 12033401500100101006 06121071340650000106 35031063350236000353 H Q HXFJC1A/A HHFFJH 1F/ AF2CH 2B3 C\$ 0050630 10713407350310633502 36000100620001006260 20003777540067641477 54006765305704065400 H 1G2CH 2B3 A A P 4 = L = 0050634 67771701617067663005 54006773300654006774 14276170700056007000 14003407160154006775 OA XE= XF= LW L 1GNA= 0050640 20006764020005635000 67753407010062600100 63310200154116076010 30131377100633120465 P BE / IGA A YB M6NG HXKK HEOJD 0050644 10063402106312373401 30131237346410143314 34651006310110143102 34631071325606423156 HF1BH J41AXKJ41 HL0L1 HFYAHLYB1 H Z+F7Y+ 0050650 10713462300110143302 10715500137710635500 13760200620130063422 30073423142434443062 H 1 XAHLOBH K H K B AXF1RXG15LT19X 0050654 10143163160134671063 34661400343530715400 11022000442254001103 20350304020004760100 HLY NA1 H 1 L 12X = IBP 9R= ICP2CDB D A 0050660 64371401550013775000 15015400133630220465 34063020127734053023 34070200646403540100 4LA K / MA= K3XRD 1FXPJ 1EXSLGB C=A 0050664 64630200051330141003 16203272540062265400 50071063230021005400 62255400500601006463 B EKXLHCNPZ = V= /GH S Q = U= /FA 0050670 35031000160000000020 00000000304504333062 33641014316333650503 01001300305312775400 2CH N X+DOX O HLY O ECA K X\$J = P 0050674 17153054540017163077 63701712140134113412 14600200033630740321 30741670603034013033 OMX== ONX OJLA111JL B C3X CQX N X1AX0 0050700 12771014335410063433 3333353100634323001 62301070341114150200 03363624305762200200 J HLO=HF10000\$HF1ZXA XH 11LMB C33TX. PB 0050704 15170413201422033450 10711102345130551006 16016250010013670040 006500220000000000 MODKPLRC1/H IB1(X HFNA /A K 5 0050710 35031100160000000054 00000000305210760405 02001541160603021466 60303032127734323044 2CI N \* X1H DEB M6NFCBL XXZJ 1ZX9 0050714 10741120040711060406 30221067110205041420 16203545302210671103 34000403110705253052 H IPDG1FDFXRH IBEDLPNP2+XRH ICL DC1GEUX) 0050720 10760412300005123033 12771014333421776776 07030100175750001414 04041474540014145000 H DJX EJXOJ HLOIQ GCA 0./ LLDDL = LL/ 0050724 14151014060730521705 06041540550014153044 22000774230001100514 30521710060550001415 LMHLFGX)DEFDM5 LMX9R G S AHELXJOHFE/ LM 0050730 10140636203503120200 04760200176636243057 62203030100606132014 22033450107111023451 HLF3P2CJB D B O 3TX. 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0051010 30463454203422170100 12005045125404715400 12530100125200000000 00001226122630470404 X-1=P1ROA J /+J=D = J\$A J) JAJAX+DD 0051014 14003446035730652200 01003146043730671204 05052036010202000476 02001374307421000101 L 1-C.X R A Y-D4X JDEEP3ABB D B K X Q AA 0051020 60103010101706102036 01060200047614000200 52165045125404055400 13300100132730433344 HXHH0FHP3AFB D L B )N/+J=DE= KXA KWX809 0051024 05223041100606173074 16746010301313773112 05105045135704055400 13540100135301001157 ERX6HFFOX N HXKK YJEH/+K.DE= K-A K\$A I. 0051030 11021102110212261226 14023411146202000336 01000114010013733067 04742036010702000476 [BIBIBJVJVLBIIL B C3A ALA K X D P3AGB D 0051034 03673074210001016010 16016025302505363032 31470520306522000100 31460513301010170610 C X Q AA HNA UXUE3XZY\*EPX R A Y-EKXHHQFH 0051040 20360106020004761400 02005216305205103054 11020403010012610100 13640100113330541101 P3AFB D L B )NX)EHX=IBDCA J A K A IUX=IA 0051044 05052024032302000476 30261014062030470551 30460406300110070603 01001133302710060655 EEPTCSB D XYHLFPX+E(X-DFXAHGFCA IOXWHFF 0051050 02001374035230251177 05072036010602000476 01005357301010170725 30742100010560103010 B K C)XUI EGP3AFB D A \$.XHHUGUX Q AE HXH 0051054 10060616304511040413 02001766041020001403 54001600200016150321 14666020302534203026 HFFNX+IDDKB 0 DHP LC= N P NMCQL PXUIPXV 0051060 13773421203601050200 04760200627205252000 16350200044214666020 30742100010262203055 K 1QP3AEB D B EUP N2B D7L PX Q AB PX 0051064 10061601622014003447 14213446010014363422 10633421203601060200 04760100533555230503 HFNA PL 1\*LQ1-A L31RH 1QP3AFB D A 12 SEC 0051070 25220555150515172231 56550425152055041123 01021405045700005523 20032755030114145505 URE MEMORY, DUMP DISABLED. SPCW CALL E 0051074 22221722570000003074 16206010160160251601 60201604603216366060 16046001160260403022 RRUR. X NP HNA UNA PND ZN3 ND ANB 5XR 0051100 34473011344630011007 06033002030630021006 06021400107134651401 34673061316231633164 1\*XII-XAHGFCXBCFXBHFFBL H 1 LAI X Y Y Y 0051104 05023467307421000112 60603064041014023567 30461112050314043567 30101067311235323030 EB1 X Q AJ X DHLB2 X-1JECLD2 XHH YJZZXX 0051110 12773445170506063052 17040705010011020100 11115052176054001757 01001756140411251404 J 1+0EFFX)QDGEA IBA 11/10 = Q.A Q.LDIULD 0051114 11333410010017653074 16216010301312771100 04663074210001016010 30101017060315010355 101HA D X NO HXKJ I D X Q AA HXHHDFCHAC 0051120 30741677601030141220 11200403010017641443 60103013120411043410 30131201110101001765 X N HXLJPIPDCA O LB HXKJDID1HXKJAIAA O 0051124 24032300107300001043 01001102020044303052 11040503010053310200 55210200520550004426 TCS H H8A [BB 9XX][DECA \$YB QB ]E/ 9V 0051130 05050200227501001271 14053401307416306301 44260200413104231400 54001411560024050200 EEB R A J LEIAX NX A9VB 6YDSL = LI, TEB 0051134 21120415071620000471 54001371020026760200 13640335020021120432 06062000116304320100 QJDMGNP D = K B V B K C2B QJDZFFP I DZA 0051140 26440200557702002676 30570503020013170200 13640200363504033010 05052036010302000476 V9B B V X.ECB KOB K B 32DCXHEEP3ACB D 0051144 20004260010025340200 22755000245010160710 50004426040520014426 02000442030614033411 P 7 A U1B R / T/HNGH/ 9VDEPA9VB D7CFLC11 0051150 146o0200033630460415 02000442140334111440 02000336307416726240 01000114306504101110 L B C3X-DMB D7LC1IL5B C3X N 5A ALX DHIH 0051154 05113411146202000336 03623074167262401402 34111462020003360100 01141014345010713351 EI11L B C3C X N 5LB1IL B C3A ALHL1/H 0( 0051160 13773351345130756250 01000114010013160200 40730473200003025400 14213057603214000100 K 0(1(X /A ALA KNB 5 D P CB= LQX. ZL A 0051164 33305000116404030100 26441407600602003277 04163010101431111701 60600100152214666010 0X/ I DCA V9LG FB Z DNXHHLYIDA A MRL H 0051170 30742100010262100100 13631400345702006272 04426060170160253030 12040403140203263013 X Q AB HA K L 1.B U7 0A UXXJDDCLBCVXK 0051174 10140603140103210200 23130305500024501014 06453030102007035600 22063063100607111403 HLFCLACQB SKCE/ T/HLF+XXHPGC, RFX HFGILC 0051200 34005000141104623000 01003330307416626010 30112200377734113060 05030100152222001777 1 / LID X A OXX N HXIR 4 11X ECA MRK U 0051204 54003176306010060633 10010621303010160607 20000410540015743011 05063060220017773211 = Y X HFFOHAFQXXHNFGP DH= M XIEFX R D ZI 0051210 06133011030730602200 17773256060430565400 31763010520031760605 20004274010025340200 FKXICGX R Q Z,FDX,= Y XH) Y FEP 7 A U18 0051214 31445000245010150603 01001561305211020507 30541201160210065400 52573024041030673466 Y9/ T/HMFCA M X)IBEGX=JANBHF= ).XTDHX 1 0051220 02002251305413013454 30551006166462200307 14666010305510061664 62100200464605115000 B R(X=KA1=X HFN PCGL HX HFN HB --EI/ 0051224 61030310325617010705 20004305010025343074 16626025340130261006 06051400342630016225 CCHZ.OAGEP BEA UIX N UIAXVHFFEL 1VXA U 0051230 30131237101433140200 35260200217130651703 06320200340455001657 14103401305510061664 XKJ4HLOLB 2VB Q X OCFZB 1D N.LH1AX HFN 0051234 60203002342430231377 34233055100616646220 16046301442650002450 10170615500024531237 PXBITXSK 1SX HFN PND A9V/ T/HOFH/ T\$J4 0051240 51002454040720360106 02000476020057750200 22751753617021031626 61702110161061704635 ( T=DGP3AFB D B . B R Q\$ QCNV QHNH -2 0051244 50002111133704222000 21035400463650004635 13771601540046352000 46423415203301250200 / QIK4DRP QC= -3/ -2K NA= -2P -71MPOAUB 0051250 04763074210001016370 24506025340250002450 10150606302613023426 30026225307416216025 D X Q AA T/ U1B/ T/HMFFXVKB1VXB UX NQ U 0051254 16046010164562403010 10170605203601100200 04763031040614003431 30741621622530742100 ND HN+ 5XHHOFEP3AHB D XYDFL 1YX NQ UX Q 0051260 01053401600714666010 30776373206462105000 24501205040420004000 34103001621030071006 AELA GL HX P H/ T/JEDDP 5 1HXA HXGHF 0051264 07060307500024501201 05030200245630521102 05043054120105041400 54001234010012212036 GFCG/ T/JAECB T,X)IBEDX=JAEDL = J1A JQP3 0051274 36573666346702002251 30200100211120004503 34663467406617330764 17120605020022513666 3.3 1 B R(XPA QIP +C1 1 5 DOG DJFEB R(3 0051300 34674066115304501114 05051466602015000350 11170543560022060100 21043065110304171466 1 5 IND/ILEEL PM C/10E8, RFA QDX ICDOL 0051304 60103055100616023102 62101277540021021462 32025400210001002170 14003402500024501014 HX HFNBYB HJ = QBL ZB= Q A Q L 1B/ T/HL 0051310 07704066044536660200 22512000000005040200 34750305406611560403 11563424302033651103 G 5 D+3 B R(P EDB 1 CE5 I,DCI,1TXPO IC 0051314 04063055100616023102 62203602170123000060 05421466601030551006 16636210200043230100 DFX HFNBYB P3BOAS E7L HX HFN HP BSA 0051320 25340100225014666020 14203401020026640467 10064401020026640462 45013601112405640100 UIA R/L PLPIAB V D HF9AB V D +A3AITE A 0051324 25320100227430741674 34016010140034123013 12773413300162100362 01002312300334373031 UZA R X N 1A HL 1JXKJ 1KXA HC A SJXC14XY 0051330 12770415160135021063 35011014330261702450 50002450100607041466 61702450500024501020 J DMNAZBH ZAHLOB T// T/HFGDL T// T/HP 0051334 07065000116404120100 26441443603230321020 06030100123050002450 10150620307421000102 GF/ I DJA V9L8 ZXZHPFCA JX/ T/HMFPX Q AB 0051340 60323032051250002452 10100610500024501120 54002450010023121400 05740200250530742100 ZXZEJ/ T)HHFH/ T/IP= T/A SJL E B UEX Q 0051344 01016250140034523453 34541477343214243433 30742100010262321711 60325000245234355000 AA /L 111\$1=L 12LT10X Q AB 201 2/ T112/ 0051350 24533436307416716232 20340112010013030000 000000000000000000 24553071341114700200 T\$13X N ZPIAJA KC

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0051354 03360370200000003414 20000000341214003413 20000300341114700200 03360351010025043074 C3C P ILP IJL 1KP C 1IL B C3C(A UDX 0051360 21000105601030101006 06670200363504643045 11040461200003125400 12462000433603032000 Q AE HXHHFF B 32D X+IDD P CJ\* J-P 83CCP 0051364 43565400264134465600 27560200267602002275 16066010301004243074 16726240304602000442 8,= V61-, W.B V B R NF HXHDTX N 5X-B D7 0051370 14033411144002000336 02003040203601060200 04760100547650002450 10160615100413105400 LC11L5B C3B X5P3AFB D A = / T/HNFMHDKH= 0051374 24500200211214003424 30776220617044263052 17040412170104061603 05043054101707050100 T/B QJL 1TX P 9VX)0DDJ0ADFNCEDX=HUGEA 0051400 12210100542014053401 30741630630144266373 26400100127420004000 34413044344330741672 JQA =PLE1AX NX A9V V5A J P 5 16X918X N 0051404 62402000437601002534 36665066777601002663 40660474174507671702 04651400036601002675 5P 8 A UL3 / A V 5 D O+G OBD L C A V 0051410 30741627602516416010 16016032303413773434 14003435343630741671 62323010220043773401 X NW UNG HNA ZXIK 11L 1213X N ZXHR 8 1A 0051414 14666032601030013410 30301301343030252200 67773425307416276225 16066232163060251603 L Z HXA1HXXKA1XXUR 1UX NW UNF ZNX UNC 0051420 62103025137734323074 16656232140005052036 01050200047630741662 60103011050720000500 HXUK 1ZX N ZL EEP3AEB D X N HXIEGP E 0051424 32100702140031102200 37775400317620000000 04236010301010060607 30776370303214260200 ZHGBL YHR 4 # Y P DS HXHHFFGX XZLVB 0051430 03363056040714666010 30551006160262100100 26752004000000070073 00000100303730742100 C3X,DGL HX HFNB HA V PD G 0051434 01016010301010170667 20360106020004761401 02005216035701003060 05021401340132560471 AA HXHHOF P3AFB D LAB JNC.A X EBLA1AZ.D 0051440 07063400140054002034 30000200402703600100 31003401041350003214 21770017060614436010 GF1 L = PIX B 5WC A Y LADK/ ZLQ OFFLB H 0051444 30101014076230741625 60103001321404540713 34005400247130145400 24661400540024643000 XHHLG X NU HXAZLD=GK1 = T XL= T L = T X 0051450 02003703010031000100 31431400052730741625 60101636602530260504 30140513031520000100 B 4CA Y A Y8L EWX NU HN3 UXVEDXLEKCMP A 0051454 52003176070520000100 54003176302654003203 20000000020030610510 20000000020031010503 ) Y GEP A = Y XV= ZCP B X EHP B YAEC 0051460 01003143105634012000 00002177001707030100 32711400051630741625 60103010120105040200 A Y8H.1AP Q DGCA Z L ENX NU HXHJAEDB 0051464 37710305200001000200 30613001042730741662 60101601602550003176 34135000320334303074 4 CEP A B X XADHX N HNA U/ Y 1K/ ZC1XX 0051470 16626210160162253051 12373411141502000336 30741626625001001274 01003276301010143111 N HNA UX(J411LHB C3X NV /A J A Z XHHLYI 0051474 60251402351110633510 30250464332005643026 33210561302733220556 30303323137705521401 ULB2IH 2HXUD OPE XVOQE XWORE,XXOSK EDLA 0051500 03461002210033625400 33373077637033361701 60201401342450003337 23003366040520000305 C-HBQ 0 = 04X 030A PLAIT/ 04S 0 DEP CE 0051504 54002457020013641476 02000336140422540000 00000205071116000000 23140422540000000301 = T.B K L B C3LDR= BEGIN SLDR= CA 0051510 14140000000014000100 34035000245012500571 20004502340330672177 32740463340020004425 LL LA 1C/ T/J/E P +B1CX Q Z D 1 P 9U 0051514 34013601400110711155 04033700041640011277 11550465370005633603 36014001440305730313 1A3A5AH I DC4 DN5AJ I D 4 E 3C3A5A9CE CK 0051520 36013603500100011006 43011006440312770566 36032300463504041400 44030371145501003403 3A3C/A AHFBAHF9CJ E 3CS -2DDL 9CC L A 1C 0051524 16170100347440660473 14103401370107675001 35151277436605715001 35151071035701560254 NOA 1 5 D LH1A4AG /AZMJ 8 E /AZMH C.A.B. 0051530 03500451054506460755 10770100352534111063 34103056341214003413 34143074621016013401 C/D(E+F-G H A ZUIIH 1HX.1JL 1KILX HNA1A 0051534 30016010140034123413 34143001621036011207 05653074162560101400 34103411341230141017 XA HL 1J1K1LXA H3AJGE X NU HL 1H111JXLHD 0051540 34131071130734143001 62103013311405043001 17036210146660103601 62101217111705733055 1KH KG1LXA HXKYLEDXAOC HL H3A HJOIDE X 0051544 10061601621030741627 60101400341034113412 34133055100662100100 35253410010036343074 HENA HX NW HL 1H111J1KX HF HA 2U1HA 31X 0051550 16216010301312771100 04663074210001016010 30101017060315010355 30741677601030141220 NQ HXKJ I D X Q AA HXHHOFCMAC X N HXLJP 0051554 11200403010036331443 60103013120411043410 30131201110101003634 01003702340104263074 IPDCA 30LB HXKJDIDIHXKJAIAA 31A 4B1ADVX 0051560 16256010301435011063 35012300777705023401 30013411331404071401 34121421020003363011 NU HXL2AH 2AS EBIAXA110LDGLA1JLQB C3XI 0051564 34013074166360103001 04053014100607163001 34143074166362103001 04051454020003363001 1AX N HXADEXLHFGNXA1LX N HXADEL=B C3XA 0051570 01003702140034143074 16636210150003670100 37703074162560103014 04111401341214003411 A 48L 1LX N HM C A 4 X NU HXLDILA1JL 11 0051574 14210200033603633056 04571400341234111421 02000336036714003414 30741662621015000100 LQB C3C X.D.L 1J11LQB C3C L 1LX N HM A 0051600 40263156341133560410 14005400001214210200 03363011340130741662 60103001040530141006 5VY+1[0+DHL = JLQB C3XI1AX N HXADEXLHF 0051604 07443001341430741662 62103001040414540200 03363001010040263457 01004072140460101402 G9XAILX N HXADDL-B C3XAA 5V1.A 5 LD HLB 0051610 35106032331104663032 04713320056730363351 12370563302133330560 30223334055530233335 ZH ZOID XZD OPE X30(J4E XQ00E XR01E XS02 0051614 13770551361034570342 01004130140034032000 44253401200045033402 02004241043717530437 K E(3H1.C7A 6XL 1CP 9U1AP +C1BB 76D4U1D4 0051620 17020471162207331712 06273602020042410414 17450772170504051703 04671702050444020100 OBD NRGOOJFW3BB 76DLO+G OEDEOCD OBED9BA 0051624 41303602020042411155 04741106040340020304 36020200424111550474 11020455110504531101 6X3BB 761 D IFDC5BCD3BB 761 D IBD IEDSIA 0051630 05653602020042411153 05733602020042411153 04660350107103034001 12774402010042403003 E 3BB 7611E 3BB 7611D C/H CC5AJ 9BA 75XC 0051634 11013403046736012300 45030403400105574402 14010100413055111414 05070114550317162422 IA1CD 3AS +CDC5AE.9BLAA 6X ILLEGAL CONTR 0051640 17145503012204570000 55061455020531171604 55150614570000005506 14552417175523101722 OL CARD. FL BEYOND MFL. 0051644 24550617225520221707 22011557000055241717 55150116315501220725 15051624235700005523 T FOR PROGRAM. TOO MANY ARGUMENTS. S 0051650 05032522055515051517 22315655042515205504 11230102140504570000 55061722150124550522 ECURE MEMORY, DUMP DISABLED. FORMAT ER 0051654 22172255171655031716 24221714550301220457 00005511152022172005 22552601141104012411 ROR ON CONTROL CARD. IMPROPER VALIDATI 0051660 17165700000055102411 15055516172455012601 11140102140557000000 00000100442730741620 ON. HTIME NOT AVAILABLE. A 9WX NP 0051664 60251601601016016020 16456032160360401607 60603035124054001164 30215400321421770014 UNA HNA PN+ ZNC 5NG X2J5- I XQ- ZLQ L 0051670 07052000031254002031 14003465345734463437 30131277344517050707 14003452203403120100 GEP CJ= PYL 1 1.1-14XKJ 1+DEGGL 1)P1CJA 0051674 13033050230024030403 01004553560032222000 14445400127620000365 54001265305211050403 KCX/S TCDCA +\$, ZRP L9= J P C = J X)IEDC 0051700 01004702020022753053 12771014335410143412 10711377351330016210 14410200033601001274 A \*BB R X\$J HLO=HL1JH K ZKXA HL6B C3A J 0051704 30741674603230351377 31340403560032223045 11030526144460323032 04221007162060200200 X N ZXZK Y1DC, ZRX+ICEVL9 ZXZDRHGNP PB 0051710 60015400303602006327 16075400300410632300 20005400300330741670 60321621602530351377 A= X3B WNG= XDH S P = XCX N ZNQ UX2K 0051714 34351400343634333430 34313032220047773432 30741670623216216225 14666025307421000105 12L 13101X1YXZR \* 1ZX N ZNQ UL UX Q AE

EXPRESS 11

0051720 60323032137734253074 21000105622530741671 60323033041660253027 04133026342714013430 ZXZK 1UX Q AE UX N ZXODN UXWDKXVIWLAIX 0051724 30311377110534313033 62250332302604030100 12743060101507063052 11040407110104162000 XYK IE1YXO UCZXVDCA J X HMGFX)IDDGIADNP 0051730 50420100253430531006 06052077377735530303 56002206305204201102 05143060101506110200 /7A Ulxshffep 4 28CC, Rfx)DPIBELX HMFIB 0051734 30402036010602000476 01005476010044273074 21000102602560203026 10200653140054003155 X5P3AFB D A = A 9WX Q AB U PXVHPF\$L = Y 0051740 20000314540031573025 11770411203601060200 04760100614201004427 20000312540020313074 P CL= Y.XUI DIP3AFB D A 7A 9MP CJ= PYX 0051744 21000101605030511377 34513074107035512000 15545400153130502300 24030505200014445400 Q AA /X(K 1(X H 2(P M== MYX/S TCEEP L9= 0051750 12760100442755240323 55111414050701145522 05212505232457000000 30433344052630411006 J A 9W TCS ILLEGAL REQUEST. 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ERROR. 0051774 00000100520414023411 14013412307763115263 14600200033630111201 04613074165060103010 A DDLB1ILA1JX I) L B C3XIJAD X N/ HXH 0052000 10120717140234111401 34123077631152751460 02000336200053070100 25342000400034413044 HJGDLB1ILA1JX I) L B C3P \$GA U1P 5 16X9 0052004 34433074167262402000 53130100253400140076 30140000000000200052 50240000000100100076 18X N 5P \$KA UI L XL P 1/T 0052010 30140000001000120050 67010000000055111611 24110114550317162422 17145523240124051505 XL H J / A INITIAL CONTROL STATEME 0052014 16245514111511245700 00000200603030742100 01016170245050002450 12403437305310710503 NT LIMIT. B XX Q AA T// T/J514X3H EC 0052020 02005205303704052000 54345400227302004131 04055000245010140633 02002112060620004700 B JEX4DEP =1= R B 6YDE/ T/HLF0B QJFFP \* 0052024 34200100545630531071 05030100544230570536 02004073043314403523 30531071110204253037 1PA =,X\$H ECA =7X.E3B 5 DOL525X\$H IBDUX4 0052030 05232000442634011400 44013601230045030572 14666020032330231377 34231400340203153077 ESP 9VIAL 9A3AS +CE L PCSXSK ISL 18CHX 0052034 62200200217130776020 30023424020034045500 54733055100616646220 14103401305312371014 PB Q X PXB1TB 1D = X HFN PLH1AX\$J4HL 0052040 33540200514763014426 30531071051430741672 62405000245010160705 20004426020004420100 O=8 (\* A9VX\$H ELX N 5/ T/HNGEP 9VB D7A 0052044 12740200506502006030 01005520141034013074 16746010301313771006 33121006040402005147 J B / B XA PLH1AX N HXKK HF0JHFDDB (\* 0052050 03113052110205513054 10170646307416306101 44261441020003361400 54004476200044253401 CIX)IBE(X=HOF-X NX A9VL6B C3L = 9 P 901A 0052054 36014001057514004401 36012300450305720100 55200100557650001164 05733022230005000567 3A5AE L 9A3AS +CE A PA / 1 E XRS E E 0052060 30212300111505631500 34013601500157675400 57440453332005705001 57743401010100001401 XQS IME M 1A3A/A. = .9D10PE /A. 1AAA LA 0052064 34113071031314016010 30132200030004105600 57111407341134121451 03302000441201001232 1IX CKLA HXKR C DH, .ILGIIIJL(CXP 9JA JZ 0052070 14003411341220000106 03173602200055255400 57542000162454005755 14013411341214503174 L 111JP AFCO3BP U= .=P NT= . 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P.M FAM EXAL-DCAMA LLIILD 0054150 02000336301521000453 54150151307416356373 01500304150001150005 14000200033630741620 B C3XMQ D\$=MAIX N2 A/CDM AM EL B C3X NP 0054154 60103011050301150021 14440200033601000114 14666020140434243051 12372300150034443657 HXIECAM QL9B C3A ALL PLDITXIJ4S M 193. 0054160 62201701624014143411 14040200033620000370 31153401140535014001 04203340057250010001 POA 5LL1ILDB C3P C YMIALEZA5ADP05E /A A 0054164 33410566500100023342 05625001000333431377 05553002220017770515 50010004100606223074 06E /A BOTE /A COBK E XBR O EM/A DHFFRX 0054170 16216010301312771103 05131475127704103420 51000515601030101006 06335001000312771715 NO HXKJ ICEKL J DHIP( EM HXHHFFO/A CJ UM 0054174 10063544300210070722 14666010300212773411 05055001000412773412 14550200033630113420 HF29XBHGGRL HXBJ 11EE/A DJ 1JL B C3X11P 0054200 30143421307421000101 60103010101707123074 16256010301010200622 20007300031630131237 XL1QX Q AA HXHHOGJX NU HXHHPFRP CNXKJ4 0054204 31140413304410711102 04071101040536042000 74003520305762201701 62400115000511162025 YLDKX9H IBDGIADE3DP ZPX. 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NFFL B C3AMAP. 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0055014 00003443200000003544 02001175624003560100 14140200147404050200 16170470141511000100 18P 29B I 5C+A LLB L DFB NOD LMI A 0055020 13160100143034013074 16276010301313013301 34133074162762100362 01001446020014740473 KNA LXIAX NW HXKKAQAIKX NW HC A L-B L D 0055024 30576010301012775100 05156010301322003777 23002405055614000354 34570100147314046010 X. HXHJ ( EM HXKR 4 S TEE, L C=1.A L LD H 0055030 14023510602033110466 30200471334005673024 33511237056330413321 05603042332205553043 LB2H POID XPD 05E XTO(J4E X60QE X70RE X8 0055034 33231377055136103457 03420100153102000513 30141003162032725400 15571063230021005400 OSK E(3H1.C7A MYB EKXLHCNPZ = M.H S Q = 0055040 15561400340334023400 30061075210077776010 30061203340150010010 10060612107134065000 M.L 1C1B1 XFH Q HXFJC1A/A HHFFJH 1F/ 0055044 01063503106335023600 03531071340735031063 35023600010015313057 60201701601014000100 AF2CH 2B3 C\$H 1G2CH 2B3 A MYX. 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A QBX Q AB HXJD 0055124 13013401146660303074 21000102623030010503 01001113141401001316 00002612000000041764 KAIAL XX Q AB XXAECA [KLLA KN VJ DD 0055130 00000004207600000000 0000000000517640000 000517670000000051775 00000005177700000002 DP EO EO EO 0055134 23050000000223410000 00022346000000022363 00000000261700000003 20350000000520030000 SE BS6 BS- BS VO CP2 EPC 0055140 0005205000000002313 00000006176400000006 22440000000626200000 00002637000000071764 EP/ SK FO FR9 FVP V4 GO 0055144 00000003221600000003 23360000000520010000 00072115000000022640 00001466601030451707 CRN CS3 EPA GQM BV5 L HX+UG 0055150 07160200117516076210 02001474140660013003 34013004340203101422 01001316570023601407 GNB I NG HB L LF AXCIAXD1BCHLRA KN. 5 LG 0055154 60013001101431026030 30341277160235021063 35013030052014010556 20041764540011121063 AXAHLYB XXIJ NBZBH ZAXXEPLAE,PDU = IJH 0055160 54001103305705030100 11020100250733400513 30313341051030323342 05053033334313770433 = ICX.ECA IBA UGO5EKXYO6EHXZO7EEX008K DO 0055164 30331204050301002344 30341277047334033001 10143102320360103010 33400513301133410510 XOJDECA S9X1J D 1CXAHLYBZC HXH05EKX106EH 0055170 30123342050530133343 13770405370305540100 23443033120404050200 26500100257130331201 XJ07EEXKO8K DE4CE=A S9X0JDDEB V/A U XOJA 0055174 11011013540025343034 12773403140460103610 60303057041560203030 33200504303133210406 IAHK= U1X1J 1CLD H3H XX.DM PXXOPEDXYOQDF 0055200 14003457141001001316 30011014310232031701 60106003140034103403 30131006060301002344 L 1.LHA KNXAHLYBZCOA H CL 1H1CXKHFFCA 59 0055204 20002533341037140603 36143713020011751606 62031601621030570405 14003457010011131477 P U01H4LFC3L4KB I NF CNA HX.DEL 1.A IKL 0055210 34250200125330303420 30313421342214013423 30511237230010003444 30431377110134433057 1UB J\$XX1PXY1Q1RLA15X(J45 H 19X8K TA18X. 0055214 17016240304313773443 01001113020021442002 17640312020014740405 14003457010011132003 DA 5X8K 18A IKB Q9PBD CJB L DEL 1.A IKPC 0055220 17645400111210635400 11030100110202002144 02001447055620032147 03610100264730343400 0 = IJH = ICA IBB Q9B L+E,PCQ+C A V+X11 0055224 12773403300110143102 32031701603030001071 34301477342502001253 30303420041751000515 J 1CXAHLYBZCDA XX H 1XL 1UB J\$XX1PDQ( EM 0055230 60103013100606130200 27253031342134223032 34230310020027253033 34213422303434230100 HXKHFFKB WUXY1QIRXZISCHB WUX01QIRXIISA 0055234 26470100272414046010 36106010301034200367 01002735307560103011 1240037100000000000 V\*A HTLD H3H HXHIPC A WZX HXIJ5C 0055240 36140200175400000267 01001761037530451706 06041422010013160200 14153057540021573022 3LB 0= B A O C X+OFFDLRA KNB 1 HX.= Q.XR 0055244 05035600220730201277 51000515540021416030 30332200377723001524 04072300030004042300 EC, RGXPJ ( EM= Q6 XXOR 4 S MIDGS C DDS 0055250 32210513560022243074 21000102603030300403 14270324301312775400 21763014540021711071 ZQEK, RTX Q AB XXXDCLHCTXKJ = Q XL = Q H 0055254 55002132031350002157 34576020362430576220 14150100131602001175 16066040020014740521 QZCK/ Q.1. P3TX. PLMA KNB I NF 58 L EQ 0055260 01002156305760200100 11133624305762205000 21573457602014020100 13165300215704570200 A Q.X. PA IK3TX. P/ Q.I. PLBA KN\$ Q.D.B 0055264 16170403010020533014 10713407500722660423 14001115040433071115 05422000214060303030 NODCA PSXLH 1G/GR DSL IMDDOGIMETP Q5 XXX 0055270 10060703010021023014 13405400217102001234 20002156345760200200 17120504140101001316 HFGCA QBXLK5- Q B JIP Q,1. PB QJEDLAA KN 0055274 20002170344430431377 21002175344330571701 62403044107111110516 14000404140301001316 P Q 19X8K Q Q 18X.OA 5X9H IIENL DDLCA KN 0055300 30741671601030573411 30741671621014000503 01001113307410703411 14150200033630756010 X N HX.1IX N HL ECA IKX H 1ILMB C3X H 0055304 60303031137716203431 34113033127734333074 21000102623030551006 16016210020011756040 XXYK NP1Y11X0J 10X Q AB XX HFNA HB I 5 AA A 0055314 10711115040611040404 14020100131650002332 05063013101706031421 03663013130111013413 H IMDFIDDDLBA KN/ SZEFXKHOFCLOC XKKAIAIK 0055320 30571701621001001113 14005400233201002305 02001474041002001617 04041415010013161402 X.OA HA IKL = SZA SEB L DHB NODDLMA KNLB 0055324 34260100111330451706 06041422010013160200 14150200117516016030 16046210160162201400 1VA IKX+OFFDLRA KNB LMB I NA XND HNA PL 0055330 34303020127704215100 05156010301322003777 34253430301010060706 10010704200040003530 1XXPJ DQC EM HXKR 4 1U1XXHHFGFHAGDP 5 2X 0055334 02001175160162303027 11010510302523001524 04062300030004040100 11133427304517100604 B I NA XXWIAEHXUS MTDFS C DDA IKIWX+OHFD 0055340 14220100131614053401 14030200257530776003 16016010160160601466 60303007101112063127 LRA KNLE1ALCB U X CNA HNA L XXGHIJFYW 0055344 10103430301410713402 30140403170112075302 34523530306410653402 30642200077753023460 HH1XXLH 1BXLDCOAJG\$B112XX H 1BX R G \$B1 0055350 34313063124034013063 12373402100134323027 04053002313210763432 30010402373230621277 1YX J51AX J41BHA1ZXHDEXBYZH 1ZXADB4ZX J 0055354 10063532306034343061 04113401200006003534 10633533370105710200 11751610623001001113 HF2ZX 11X DITAP F Z1H 204AE B I NH XA IK

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0055360 01002574100634023021 04343501300234133001 34141400341120007773 34121464020003363011 A U HF1BXQD12AXB1KXALLL 11P 1JL B C3XI 0055364 04531703061314000200 03363074162060103011 04500100111314040100 13161423340114005401 D\$QCFKL B C3X NP HXID/A IKLDA KNLS1AL =A 0055370 35763701067302001175 60401601637035763044 10210604142501001316 30451704060414220100 2 4AF B I 5NA 2 X9HQFDLUA KNX+ODFDLRA 0055374 13160200347205121403 34040200117516026304 35760100111302001617 04061400345714150100 KNB 1 EJLC1DB I NB D2 A IKB NOOFL 1.LMA 0055400 13163404301410713403 50043426330304063604 11100571147734043004 54003602301312773425 KN1DXLH 1C/D1V0CDF3DIHE L 1DXD= 3BXKJ 1U 0055404 30201277340554003603 04165100051560303033 22003777540035763030 10060703010031073024 XPJ 1E= 3CDN( EM XXOR 4 = 2 XXHFGCA YGXT 0055410 10741240161034603024 10160607100106031404 031314020311 30210431 33220507302311010504 H J5NH1 XTHNFGHAFCLDCKLBCIXQDYUREGXSIAED 0055414 14011011356030210417 34060200153237030605 30020403370215005400 36113002540036103022 LAHI2 XQD01FB MZ4CFEXBDC4BM = 31XB= 3HXR 0055420 04253406302334073021 02001663303510065400 36131063540036123036 10065400361410635500 DUIFXSIGXQB N X2HF- 3KH = 3JX3HF- 3LH 0055424 36133660140034045004 34363325127704103604 11070570147602000336 03045004343613775500 3K3 L 1D/D130UJ DH3DIGE L B C3CD/D13K 0055430 36020100317730332200 37772300152404152300 03000411230032000402 14201120346001003166 3BA Y XOR 4 S MTDMS C DIS Z DBLPIP1 A Y 0055434 30713171346030242200 40001074356014243401 14010200257530776030 30331010060314403560 X Y 1 XTR 5 H 2 LT1ALAB U X XXOHHFCL52 0055440 14043401140102002575 30776030303410120604 30251021060330710303 20000300550036023060 LDIALAB U X XXIHJFDXUHQFCX CCP C 3BX 0055444 54003601140434270200 11751601632735763045 17053445061301001113 14403534020011753127 = 3ALDIMB I NA WZ X+GE1+FKA IKL521B I YM 0055450 62303745076636270200 11753127601014666030 30141237046434341406 34011502350107505001 X4+G 3WB I YW HL XXLJ4D 11LF1AMB2AG//A 0055454 34453334057150013446 34010101000030602200 03000407302210671006 35340100322101003217 1+01E /Al-1AAA X K C DGXRH HF21A ZQA ZQ 0055460 02003554047350003602 10060611100106031414 03041003120316013433 50003614120410043533 B Z=D / 3BHFFIHAFCLLCDHCJCNA10/ 3LJDHD20 0055464 50003607107134025000 36070403170112075302 34521006353401003221 02003554050301003217 / 3GH 1B/ 3GDC0AJG\$B1}HF21A ZQB 2=ECA ZQ 0055470 50003613124034015000 36131237340210013403 30601013070530023103 10763403300104023703 / 3KJ51A/ 3KJ418HA1CX HKGEXBYCH 1CXADB4C 0055474 30031006353450003614 10653402500036142200 07775302346034335000 36103432500036110411 XCHF21/ 3LH 18/ 3LR G \$81 10/ 3H12/ 3IDI 0055500 34022000060035321063 35313702057101003221 00150000000200030012 00160011001001011700 1BP F 2ZH 2Y4BE A ZQ M B C J N I HAAD 0055504 05201530213141210005 00013260000232740014 33370020001000300040 00501000200040003006 EPMXQY6Q E AZ BZ LO4 P H X 5 /H P 5 XF 0055510 04053410602036103457 01003471140034061404 60101402351060203311 04573020047133400567 DE1H P3H1.A 1 L 1FLD HLB2H P0ID.XPD 05E 0055514 30243351123705633021 33410560302233420555 30233343137704413010 16016030303012775100 XT0(J4E XQ06E XR07E XS08K D6XHNA XXXJ ( 0055520 05156030303322003777 23001624040423000300 05033010340601003477 01003553306022000300 EM XXOR 4 S NTDDS C ECXH1FA 1 A 25X R C 0055524 04721400057014053401 14030200257530776173 35765600356103550000 36140600175400000201 D L E LEIALCB U X 2 , 2 C 3LF 0= 3A 0055530 01001761037530742100 01016010301010170704 14110100131610200603 56002151020014740406 A O C X Q AA HXHHOGDLIA KNHPFC, Q(B L DF 0055534 14003457141001001316 30741673601030101277 31110503010011131477 34250200125330741672 L 1.LHA KNX N HXHJ YIECA IKL 1UB J\$X N 0055540 60601601602030531006 31551006315416066030 30331277343310143334 05030100220010713256 NA PX\$HFY HFY=NF XXOJ 10HL01ECA R H Z. 0055544 07041426010013163020 12773405302234063023 34073021020016631400 34143024102107101440 GDLVA KNXPJ 1EXRIFXS1GXQB N L 1LXTHQGHL5 0055550 34143736060437351400 34363035100634131063 34123036100635141063 35133063217776473514 1L43FD42L 13X2HF1KH 1JX3HF2LH 2KX Q +2L 0055554 30241071127704053410 30143210341414003410 34113033100631551006 31346210302010060735 XTH J DE1HXLZHILL 1H1IXOHFY HFY1 HXPHFG2 0055560 14000533200015005400 22165700222214666010 60303060341030202200 17003430307421000072 L EOP M = RN. RRL H XX 1HXPR D 1XX Q 0055564 62101601623030201277 23007400342030213422 14013423140434243051 12372300100034443043 HNA XXPJ S 1PXQ1RLAISLD1TX(J4S H 19X8 0055570 13771101344330571701 62401466603030611277 34333062343402001175 16066230010011130200 K IA18X.GA 5L XX J 10X 11B I NF XA IKB 0055574 14740520146660203074 16726060200040003461 30643463307416726260 01001113020016170404 L EPL PX N P 5 1 X 1 X N A 1KB NODD 0055600 14150100131630141071 11150503010023411105 05212000232454002376 30741671601030106010 LMA KNXLH IMECA S61EEQP ST- S X N HXH H 0055604 30203310127705043021 33110404140201001316 20000400530025555400 25552000400054002443 XPOHJ EDXQ01DDLBA KNP D \$ U = U P 5 = Tu 0055610 30201277510005156010 30101006070314060304 30220504140301001316 30531006315510063154 XPJ ( EM HXHHFGCLFCDXREDLCA KNX\$HFY HFY= 0055614 16066030303312773433 10143134050301002453 10713256070414260100 13163033100631551006 NF XXOJ 10HLY1ECA T\$H Z,GDLVA KNXOHFY HF 0055620 31346040304310063436 10633435304410713536 30421006353514003433 30403431304134323044 Y1 5X8HF13H 12X9H 23X7HF22L 10X51YX61ZX9 0055624 12773434302012773405 23000000342030213406 02002657010025513074 16726060302012773405 J 11XPJ 1ES 1PXG1FB V.A U(X N XPJ 1E 0055630 30213422340614013423 34070200051314105400 01052000677602003124 02000566300105030100 XQIRIFLAISIGB EKLH- AEP B YTB E XAECA 0055634 23551400346134622000 01303463144034023201 07033001340230743163 63027000327434641401 S L 1 1 P AX1 L51BZAGCXA1BX Y B Z 1 LA 0055640 34243002174006042000 40003461302012773420 30213422307416726260 16016030622030301006 1TX805FDP 5 1 XPJ 1PXQ1RX N NA X PXXHF 0055644 07303030127734113031 34120422144302000336 14103410147634111422 34123077621014013411 GXXXJ 1IXYIJDRL88 C3LHIHL IILRIJX HLAII 0055650 34121460020003361466 60103057040662101701 62101400345701001113 30741673602030201277 1JL B C3L HX.DF HOA HL 1.A IKX N PXPJ 0055654 34053021340605041403 01001316020011751606 60303034137710063333 10061601343610633435 1EXQLFEDLCA KNB I NF XX1K HF00HFNAL3H 12 0055660 02002657622001001113 01002656307416726060 02003037061450002443 04030100302630213406 B V. PA IKA V.X N B X4FL/ TBDCA XVXQ1F 0055664 14013407140034343006 34223007342302000513 14105400010520006776 02003124020005663001 LAIGL 11XF1RXG1SB EKLH- AEP 0055670 05030100302630343133 04073034127732010703 01003026303122003777 34613032346220000130 ECA XVX1Y0DGX1J ZAGCA XVXYK 4 1 XZ1 P AX 0055674 34633034127717400616 14013424144034023201 07033001340230743163 63027000031734343006 1 X1J 05FNLAITL51BZAGCXA1BX Y B COLLXF 0055700 34223007342314003424 30011740340230743163 63027240327434643034 12773563300217400604 1RXG1SL 1TXA051BX Y B 5Z 1 X1J 2 XB05FD 0055704 20004000356130741672 62601601010026562000 01303463346414003461 34620357010030360200 P 5 2 X N NAA V.P AXI 1 L 1 1 C.A X3B 0055710 05133014100316203272 54003063106323002100 54003062300634003000 34061075210077776010 EKXLHCNPZ = X H S Q = X XF1 X 1FH Q 0055714 30061203340150010010 34001006061715005300 01063536065536363735 06525000010631363407 XFJC1A/A H1 HFFOM \$ AF23F 3342F)/ AFY31G 0055720 01003036107132360773 30350467150003673001 01003123340302000560 50030001340140030505 A X3H Z3G X2D M C XAA YS1CB E /C A1A5CEE

0055724 34015003000104623407 10060656107134061400 34073001107104475003 00013401010031230000 1A/C AD 1GHFF,H IFL 1GXAH D\*/C ALAA YS 0055730 36140700175400000150 01001761037502001175 16106030020023650714 30331014333431303130 3LG O= A/A O C B I NH XB S GLXOHL01YXYX 0055734 16011071325607061423 03021422010013161404 60601402356060403361 05161466601030331006 NAH Z.GFLSCBLRA KNLD LBZ 50 ENL HXOHF 0055740 31551006313462100200 11756040010011133040 04543044335112370550 02002427064530601601 Y HFYL HB I 5A IKX5D=X90(J4E/B TWF+X NA 0055744 60203065102107040200 24460515302010711175 04031103051130651017 07060200262505210100 PX HQGDB T-EMXPH I DCICEIX HOGEB VUEVA 0055750 20133033100631551006 31346240160162201402 35341063353337300560 01002020020014740506 PKXOHFY HFY1 5NA PLB21H 204XE A PPB L EF 0055754 14773425020012530306 02001617040314150322 30741671603030313357 05030100111330571701 L 1UB J\$CFB NODCLHCRX N XXYO.ECA IKX.DA 0055760 60103014107111150405 14221120010013163020 12770414117704121177 51000515600130011006 HXLH IMDELRIPA KNXPJ DLI DJI ( EM AXAHF 0055764 07031406036030220403 01002273302105233413 34143411140534121455 02000336301405030100 GCLFC XRDCA R XQES1KIL1ILE1JL B C3XLECA 0055770 21523421302013773311 34203021342234062000 01043424140134233020 12773405020005131410 Q)1QXPK 0[1PXQ1R1FP ADITLA15XPJ 1EB EKLH 0055774 54000105200067765400 01010200271202002657 02000566300534113006 22003777341214013413 = AEP - AAB WJB V.B E XELIXFR 4 1JLAIK 0056000 14430200033630571701 60100311302134221401 34233024137711043424 30310503010023463057 L8B C3X.OA HCIXQIRLAISXTK IDITXYECA S-X. 0056004 34656220303134571701 60203051123723001100 33241340051502001617 04103065602036243065 1 PXY1.OA PX(J4S I OTK5EMB NODHX P3TX 0056010 62200100213002001234 30653457602017016010 30141277230011003414 30573431170162103074 PA QXB JIX 1. POA HXLJ S I 1LX.1YOA HX 0056014 16716230010011130100 23643030050420000200 34303031127710143332 05021500346710633466 N XA IKA S XXEDP B 1XXYJ HLOZEBM 1 H 1 0056020 14003431141034013033 10713465101707031404 35013033127734333045 32010100236401002426 L 1YLH1AXOH 1 HDGCLD2AXOJ 10X+ZAA 5 A TV 0056024 30441071340420001021 32045400244330661014 33671000036101002445 30201277340551000515 X9H 1DP HQZD= T8X HLO H C A T+XPJ 1EC EM 0056030 60103010100606030100 25623013220037772300 15240420230003000415 23003200040514003422 HXHHFFCA U XKR 4 S MTDPS C DMS Z DEL 1R 0056034 34230343200024243421 01002602302116053414 14003411307134132000 77733412146402000336 15C8P TT1QA VBXQNE1LL 1IX 1KP 1JL B C3 0056040 30110414170206241400 02000336307416206010 30110514034630776010 30123422301334232000 XIDLOBFTL B C3X NP HXIELC-X HXJ1RXK1SP 0056044 15243421033015003440 02001175161062400322 30651020072130220415 34063023340730210200 MT1QCXM 15B I NH 5CRX HPGQXRDM1FXS1GXQB 0056050 16630555303534223036 34231400010024453021 04743406020015321501 35030604370207633603 N E X21RX31SL A T+XQD 1FB MZMAZCFD4BG 3C 0056054 34233002342203560100 26241402353111060514 15003410305310063155 10063154604016116210 15XB1RC,A VTLB2YIFELM 1HX\$HFY HFY- 5NI H 0056060 03570200117516073131 62401601622014000346 01002656305704041701 61737000142761707012 C.B I NGYY 5NA PL C-A V, X.DDDA LW J 0056064 30065400700730075400 70101400540067775400 67762000677602000563 01002656010027112000 XF= GXG= HL = P B E A V, A HIP 0056070 37775400677614775400 67773057040654007011 17016170700030055400 70053006540070061427 4 = L = X.DF= IOA XE= EXF= FLW 0056074 61707012560070121400 34071601540070072030 67760200056350007007 34070100271100000000 J. JL IGNA= CPX B E / GIGA HI 0056100 22202600107300000277 02002523051230521006 07040200126203270200 13360324500027661076 RPV H B B USEJXJHFGDB J CHB KJCT/ H H 0056104 04041703071104132000 12033425203522200200 04760200141403030200 11521400040414470200 DD0CGIDKP JC1UP2RPB D B LLCCB I)L DDL+B 0056110 03361444020003360100 01140100115130201007 07102000124534252035 22200200047610010667 C3L9B C3A ALA I(XPHGGHP J+1UP2RPB D HAF 0056114 30741665604030423411 04201140041023007737 04541440020003360312 02002314040756001137 X N 5X711DPI50HS 4D=L5B C3CJB SLDG, 14 0056120 03041441020003363021 34401400342130203272 34203074167062203040 10120605200020040200 CDL6B C3XQ15L 1QXPZ 1PX N PX5HJFEP PDB 0056124 22623055100616016370 30130200222056002766 14003401020022036317 27620100115101001261 R X HFNA XKB RP, W L 1AB RC OH A I(A J 0056130 30522200017734210511 34243023137734233074 16706220036130533323 12773323342330543424 XJR A 1QEILTXSK 15X N PC X\$0SJ 0S15X=1T 0056134 30741670622057002124 14003401020022031621 02002104041130776010 14003401020022031601 X N P. QTL 1AB RCNQB QDDIX HL 1AB RCNA 0056140 62100342010013353023 10140710200012453425 20352220020004763021 12770406341114400200 HC7A K2XSHLGHP J+1UP2RPB D XQJ DF11L5B 0056144 03360304144102000336 14003421342430231377 34233074167062201420 34010200220361013037 C3CDL68 C3L 101TXSK 1SX N PLP1AB RC AX4 0056150 02002220200027260200 04420100133501001413 50003002050630202200 57773420030730202200 B RPP HVB D7A KZA LK/ XBEFXPR . 1PCGXPR 0056154 57772300200034203021 34015000300234213020 10070707140034243023 13773424031130543424 . S P 1PXQ1A/ XB1QXPHGGGL 1TXSK 1TC1X=1T 0056160 30231377342330531277 35233074166560401400 34423074166562403021 10120611300110120715 XSK 15X\$J 25X N 5L 17X N 5XQHJF1XAHJGM 0056164 20002003020022620310 30011012060520002004 02002262306031610505 30622200700004102000 P PCB R CHXAHJFEP PDB R X Y EEX R 0056170 12233425203522200200 04761430340030622200 03770535141434003063 05313400306405263062 JS1UP2RPB D LX1 X R C EZLL1 X EY1 X EVX 0056174 10110703010017253062 23000400540030102000 02005400300414405400 30055400303101001667 HIGCA OUX S D = XHP B = XDL5= XE= XYA N 0056200 54001600141334012000 00002200400005133701 23001000540016121401 10135400160203613000 = N LK1AP R 5 EK4AS H = NJLAHK= NBC X 0056204 35010503010015221723 06743000041711140407 50001602336254003010 03145000160233635400 ZAECA MROSF X DOILDG/ NBO = XHCL/ NBO = 0056210 30110306500016023364 54003012500120603440 12775400300430401071 54003005300154003031 XICF/ NBO = XJ/AP 15J = XDX5H = XEXA= XY 0056214 30202200677723001000 34203074167062200200 22203074604030343441 30331277344030746240 XPR S H 1PX N PB RPX 5X116X0J 15X 5 0056220 56002766140034010200 22036317276201001413 30331277100631551006 31340200210404043077 , W L 1AB RC DW A LKXOJ HFY HFY1B QDDDX 0056224 61702774302022006777 34203074167062200200 23140413305510061601 63703013560011371466 W XPR 1PX N PB SLDKX HFNA XK, 14L 0056230 61703013500027661076 11020503020022201400 34010200220316066170 20535000302005030100 XK/ W H IBECB RPL 1AB RCNF P\$/ XPECA 0056234 17131071040317330710 20001245342520352220 02000476146661703020 56002766140034010200 OKH DCOOGHP J+1UP2RPB D L XP, W L 1AB 0056240 22036317276250002054 33511337335111405400 20543075637020530100 011400000000000000 RC OW / P=O(K40(15= P=X PSA AL 0056244 00000000020102010320 04400502010417041704 21040710061010100710 07101220020107100710 BABACPD5EBADODODQDGHFHHHGHGHJPBAGHGH 0056250 01002103341210633411 30321377100633310466 10061702072216021014 31551006160134141063 A QC1JH 11XZK HFQYD HFQBGRNBHLY HFNA1LH 0056254 34133032137710063331 10060704107132560710 20001143342520352220 02000476301332111014 1KXZK HEOYHEGDH Z.GHP IB1UP2RPB D XKZIHL 0056260 31143212170106102000 11623425203522200200 04761471020003361401 01002103305312771006 YLZJOAFHP I 1UP2RPB D L B C3LAA QCX\$J HF 0056264 31551006315401002202 30531277101407063354 31011071325607571400 03630100221714460200 Y HFY=A RBX\$J HLGFO=YAH L+G+L C A ROL-B

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0056340 10130724302010070736 30521006060630231237 34533024345414213401 02002203603005430100 HKGTXPHGG3X1HFFFXSJ41\$XT1=LQ1AB RC XEBA 0056344 26343627302010070726 30210510307416656010 30131377311204102000 12453425203522200200 V13WXPHGGVXQEHX N HXKK YJDHP 1+1UPZRPB 0056350 04763023127710143124 05641431341702002203 60303033340117310610 20001260342520352220 D XSJ HLYTE LY10B RC XX01ADYFHP J 1UP2RP 0056354 02000476020022030510 20001143342520352220 02000476611727623217 16016030160360603033 B D B RCEHP 181UP2RPB D OW ZONA XNC XO 0056360 12771014075633341702 07531602107132560647 50003002220074000410 20001325342520352220 J HLG,010BG\$NBH Z,F\*/ XBR DHP KULUPZRP 0056364 02000476500030010566 02002754041150002767 13015400276714010100 25222000112134252035 B D / XAE B W+DI/ W KA- W LAA URP IQIUPZ 0056370 22200200047655222026 55465520220526111725 23550522221722550317 16041124111716235522 RPB D RPV - PREVIOUS ERROR CONDITIONS R 0056374 05230524570000000100 27533075601030111240 037100000000000000 34221100107300000355 ESET. A WSX HXIJ5C 0056400 02003142020030310200 67270200306102003107 02001202020056040200 12570200132202000566 B Y7B XYB WB X B YGB JBB ,DB J.B KRB E 0056404 14000200033630741620 60100200160302002717 02001555020054500200 17225000446012773430 L B C3X NP HB NCB WOB M B =/B OR/ 9 J 1X 0056410 51004461040520362211 02000476140234111462 02000336010001140200 05663077620460302036 ( 9 DEP3RIB D LB1IL B C3A ALB E X D XP3 0056414 22060200047601005446 01001201200030323426 34013001107104675026 77753430502677763431 RFB D A =-A JAP XZ1V1AXAH D /V 1X/V 1Y 0056420 30261702020027553030 44033031540300013001 10023101352621773545 07470200056602001603 XVOBB W XX9CXY\*C AXAHBYAZVQ Z+G+B E B NC 0056424 01001203305510061602 62602000030254001120 01001256305604705000 50600465174034012000 A JCX HFNB P CB- IPA J,X,D / / D 051AP 0056430 12670454200000000404 22007777050650005111 05105000506034012000 03025400112014003427 J D=P DDR EF/ (IEH/ / IAP CB= IPL 1m 0056434 30010200152501001256 01001321142034665000 51113431100332660602 35663074626050005060 XAB MUA J.A KQLP1 / (TIYHCZ FB2 X // 0056440 17403430162033305400 13573030342731660200 15253030540014672300 13563427343030766010 051XNPOX= K.XXIWY B MUXX= L S K.IWIXX H 0056444 30100574307460103010 05743066100654001465 30110537307663361460 14025500147132310616 XHE X HXHE X HF# L XIE4X 3L LB L ZYFN 0056450 10033166070534661420 32663466306631270200 15250100135330766010 30100574307460103010 HCY GET LPZ 1 X YWB MUA K\$X HXHE X HXH 0056454 05743011051250005060 17403427164002001525 01001321020005662036 22060200047601005547 E XIEJ/ / D51WN58 MUA KQB E P3RFB D A + A I A L / W OBS M4DH 0056464 23004325056350000103 10060661140655002475 14023435560027200100 11220100152454001551 S BUE / ACHFF LF T LB12, WPA IRA MT- MC 0056470 32560704305654001551 20006776020027550462 30553127100663717000 36272300155005620350 Z,GDX,= M(P B W D X YHHF 0056474 01001554200043253401 36014001047051000515 60303030113705673051 12373430400151000515 A M=P 8U1A3A5AD ( EM XXXI4E X(J41X5A( EM 0056500 62300357010016023026 23003032047220003032 34305400165450300004 13371100543000041412 XC.A NBXVS XZD P XZIX= N=/X DK41 =X DLJ 0056504 35303226076614046030 14143411141202000336 50001654340140010413 14023530601033310423 2XZVG LD XLL11LJB C3/ N=1A5ADKLB2X HOYDS 0056510 30100571303063361653 03305500165434013226 07561414341114040200 03360100160214143411 XHE XX 3N\$CX N=1AZVG+LL11LDB C3A NBLL11 0056514 14040200033620362206 02000476010055472000 14125400165540010403 30301601540053720100 LDB C3P3RFB D A +P LJ= N 5ADCXXNA= \$ A 0056520 16550100172150005112 04115000511313373351 13373351540051133055 10065400474210635400 N A 0Q/ (JDI/ (KK40(K40(= (KX HF= \*7H = 0056524 47415000474610145100 47471071540022753056 10065400474710635400 47465000475322007007 \*6/ \*-HL( \*\*H = R X. HF= \*\*H = \*-/ \*\*R G 0056530 54004753307416256010 30140431301310175400 47601071130754004761 50004766100653004765 = \*\$X NU HXLDYXKHO= \* H KG= \* / \* HF\$ \* 0056534 10035400232130141017 54004765107113075400 47661460601016016030 30103330100606041400 HC= SQXLHO= \* H KG= \* L. HNA XXHOXHFFDL 0056540 54005072500050653401 50005056340230745400 47735400500010635400 47725400477701002064 = / / / 1A/ /,1BX = \* = / H = \* = \* A P 0056544 50005055550024615000 51053466307416216170 50616010160161705073 16016170510530665400 / T / (E1 X NQ / HNA / NA (EX -0056550 51053001540050655000 50753401301134125000 53761071043617060634 21000106101402003014 (EXA= / / / 1AXILJ/ \$ H D30FF1Q AFHLB XL 0056554 16026030303054005066 20000106617050733032 55005074106355005073 30311004540050771063 NB XXX= / P AF / XZ / H / XYHD= / H 0056560 54005076300154005075 50005067217700170604 30125400506750005253 55005077106351005252 = / XA= / / Q OFDXJ= / / 18 / H ( )) 0056564 55005076106351005251 55005075500050703430 14005400507050005060 05125400536554005370 / H ( )( ///1XL = ///EJ= \$ = \$ 0056570 50005367137754005367 30741620617050543002 54005056307463714734 50002620510026210412 / \$ K = \$ X NP /=XB= /+X +1/ VP( VQDJ 0056574 30776370261514013411 34121460020003361466 60103025120104030100 2320200000004221006 X VMLAITIJL B C3L HXUJADCA SPP 0056600 34141063341330565200 22750412071110063412 10633171341114700200 0336200000004213414 1LH 1KX,) R DJGIHFIJH Y 1IL B C3P 0056604 50005111520023210413 07123412140034132000 03003411147002000336 14023411145202000336 / (I) SQDKGJIJL 1KP C 1IL B C3LB1IL)B C3 0056610 30351712063150352622 04265400236101002360 14160331500051240405 20005124020004423074 X2DJFY/2VRDV= S A S LNCY/ (TDEP (TB D7X 0056614 16356260500051550314 14120312500052441007 07051002062314110302 14060100247620002665 N2 / CLLJCJ/ 19HGGEHBFSLICBLFA T P V 0056620 03072006267602000442 20002676540025031421 03615000447010710416 34111703061350004471 CGPFV B D7P V = UCLQC / 9 H DN11QCFK/ 9 0056624 34145000447012773413 14660200033650001270 05030100256514000514 30301066040614470200 1L/ 9 J 1KL B C3/ J ECA U L ELXXH DFL+B 0056630 03360100172101002535 14133411144002000336 20000000040302000442 30742100010160103010 C3A QQA UZLKIIL5B C3P DCB D7X Q AA HXH 0056634 12040453500044220450 30560405500053641007 07422036220602000476 01005621500051120426 JDD\$/ 9RD/X,DE/ \$ HGG7P3RFB D A ,Q/ (JDV

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100. EXPRESS 11 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH.

0056640 30741626626050005113 13771006530051122312 34010436230500230433 14003411146202000336 X NV / (KK HF\$ (JSJ1AD3SE SDOL 11L B C3 0056644 03255000505412371701 51005056040301001721 14003454345215213550 30713551307562500100 CU/ /=J40A( /,DCA OQL 1=1)MQ2/X 2(X /A 0056650 01143075637051120372 00100076002200000000 00000000247524012401 00002362236424162421 ALX (JC H R T TATA S S INTO 0056654 55220520221105260555 02141703135505222217 22570000552205202211 05260555031005031323 REPRIEVE BLOCK ERROR. REPRIEVE CHECKS 0056660 25155502010457000000 55172005220124172255 05261103245700005505 03235505222217225517 UM BAD. OPERATOR EVICT. ECS ERROR D 0056664 16552217141417252457 00003057626017016260 01002716140005113020 12773411302134121443 N ROLLOUT. X. OA A WNL EIXPJ 11XQ1JL8 0056670 02000336500043140455 50004320335113373351 54004320305754005371 17016336431403433001 B C3/ BLD / BPO(K40(= BPX.= \$ OA 3BLCBXA 0056674 01002754340302000560 06030200147550030001 34014003050534015003 00010457340710060653 A H=1CB E FCB L /C Alasceela/C AD.1GHFF\$ 0056700 10713406140034074003 04035003000134010100 27540100301334001066 35001404601030131014 H IFL 1G5CDC/C A1AA N=A XK1 H 2 LD HXKHL 0056704 31143100601003630100 30302000423002002755 14013407300111770513 40032300377705075000 YLY HC A XXP 7XB H LAIGXAI EK5CS 4 EG/ 0056710 42361071110105020353 37070100116601003060 20004732020027551071 04652000677602002755 73H IAEBC\$4GA I A X P \*ZB W H D P B W 0056714 10710457305211010457 30743171637170000352 01003106200067760200 27551071045720003116 H D.XJIAD.X Y C)A YFP B W H D.P YN 0056720 63717000327154004303 10635400430230256336 43020352020005133074 54001462010031411402 Z = 8CH = 8BXU 388C)B EKX = L A Y6LR 0056724 34361466606030543457 60203024343514036010 30511237550016201237 10013110342560103010 13L X=1. 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X8B 8 CXZX80BEN/ XZ( XO( X1( XZ 0057024 51003036050301006030 30331006315510063134 63703032363410633533 33061237101431343307 ( X3ECA XXOHFY HFY1 XZ31H 200FJ4HLY10G 0057030 05063004123734333005 34343016323310143117 32340433170104211405 55005761170134014001 EFXDJ410XE11XNZOHLYOZ1DOOADQLE . DALA5A 0057034 04123703040301005753 02006701040301005720 30023443200000001602 62300100563430061237 DJ4CDCA .1B ADCA .PXB18P NB XA ,1XFJ4 0057040 10143107170134341063 34330357010060515400 51245400515554005244 54005400146660106170 HLYGOA11H 10C.A (= (T= ( = )9= = L H 0057044 51122000400054005377 34103074210001056210 17026010301222006000 34123074210001036210 (JP 5 \* \$ 1HX Q AE HOB HXJR 1JX Q AC H 0057050 50005345127710141100 10065400534520777677 55005075200000005400 53273043340104311410 / \$+J HLI HF= \$+P / P = \$WX81ADYLH 0057054 34010200664361017047 30742100013063017047 20007112340240020505 15053502370105725002 1AB 8 A \*X Q AK A \*P J1B5BEEMEZB4AE /B 0057060 00040402360120000130 54005401310154005402 50005404041734125000 54031277341114430200 DDB3AP AX= =AYA= =B/ =DD01J/ =CJ 11L8B 0057064 03363013540026203014 54002621146661705403 01006051010062225000 53501377340110065300 C3XK= VPXL= VQL =CA (A R/ \$/K 1AHF\$ 0057070 53470466340210060716 10713256062014666010 36143001100633023155 10066210034622377777 \$\*D 18HFGNH Z.FPL H3LXAHFOBY HF HC-R4 0057074 16211071325606241420 34033001100633022277 37773155100663034734 10143255100654004735 NOH Z,FTLP1CXAHFOBR 4 Y HF C\*1HLZ HF= \*2 0057100 10635400473401006222 01006307500053671277 10063155100651005370 03652000263454002503 H = \*1A RA G/ \$ J HEY HEL \$ C P VI= UC 0057104 14035200505507035500 50550100633402006524 05615000536410100620 02006310160460303032 LCI / GC / A 18 TE / \$ HHFPB HND XXZ 0057110 22007377230004003432 02006310160462300350 30140405200026500100 63241420340302006310 R S D 1ZB HND XC/XLDEP V/A TLP1CB H 0057114 16116303473430345400 47353033127754004734 02006310160360301604 60202000020034331063 NI C\*1X1= \*2X0J = \*1B HNC XND PP B 10H 0057120 34321440343434245400 53473055100616016010 62605000536713771006 51005366043610065400 17L5111T= \$\*X HFNA H / \$ K HFC \$ D3HF= 0057124 65221063540065210200 63101606637065163010 23002203051730112300 14200513301353006521 RH = QB HNF NXHS RCEQXIS LPEKXK\$ Q 0057130 05073014530065220503 14666010020063101603 62301602621016026220 30725500536401006334 EGXL\$ RECL HB HNC XNB HNB PX \$ A 1 0057134 0311172000000000000 01006523020063106010 16016030160160203013 34015000536712771014 CIUP A SB H HNA XNA PXKIA/ \$ J HL 0057140 51005370020056210554 34013013173107503033 12771014313402005621 05643414303213771006 ( \$ B .QE=1AXKOYG/XOJ HLY1B .QE ILXZK HF 0057144 31311006050301006523 02005621055030321377 10063131100632340741 10633233075130776220 YYHFECA SB ,QE/XZK HFYYHFZ1G6H ZOG(X P 0057150 30331277100631551006 31343412106334113032 13771006313131551006 16013414106334131471 XOJ HFY HFY11JH 11XZK HFYYY HFNAILH 1KL 0057154 02000336010065230100 66423046100616116010 30131006314610033143 10033114344510633444 B C3A SA 7X-HFNI HXKHFY-HCYBHCYL1+H 19 0057160 10143145035530431203 34013043107521006672 60105001001034430100 67003046100616076010 HLY+C XBJC1AXBH Q H/A H18A X-HFNG H 0057164 30111006314610063112 54006673106355006672 50006725540067020340 03620100672620006730 X1HFY-HFYJ= H / U= BC5C A VP X 0057170 16036010301013773410 14003411200067411603 62100360200002206010 30133446307416216010 NC HXHK 1HL 1IP 6NC HC P BP HXK1-X NQ H 0057174 02007050020070771601 60031602603016046010 30411014314254006731 54006742540054525400 B /B NA CNB XND HX6HLY7= Y= 7= =}= 0057200 54721063550067305400 67415400545154005471 30341204540012700525 20001400540022233013 # H X= 6\* =(\* \* XIJD\* J EUP L \* RSXK

0057204 12775500611612771105 05053007220037770304 30232300400054006127 01005443010070473011 J NJ IEEEXGR 4 CDXSS 5 = WA =8A +XI 0057210 17011207101134402077 44443512301222000700 35403012120710033540 30131071173335400351 QAJGH115P 992JXJR G 25XJJGHC25XKH Q025C( 0057214 01007076304610061603 60103040100310063111 10063146100631123442 10633441101431420354 A X-HFNC HX5HCHFY[HFY-HFY]17H 16HLY7C= 0057220 34221700107300000470 02003005020035430200 53520200260302002532 02002121020020250200 1RO H D B XEB 28B \$1B YCB UZB QQB PUB 0057224 44163057540070113074 16666000300312775400 71733074162161707000 16506000300010710504 9NX.= IX N XCJ = X NQ 0057230 50007003127754007230 14005400722654007227 14666170723320000100 54007004030620007777 / CJ = XL = V= WL OP A - DCFP 0057234 05030100126314003457 02001744200000005400 71740200051314105400 01052000370754000101 ECA J L 1.8 09P - B EKLH= AEP 4G= AA 0057240 02002372500070113457 30715400677702001366 02001451020014640200 50170200153202001570 B S / II.X - B K B L(B L B / OB MZB M 0057244 30576220020024430200 05663005341130062200 37773412300734131443 02000336305211010420 X. 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POA 5X(14 K X K A 0057264 01143401120000000000 00010100136530746171 700014010505554007124 54007155200067760200 AL1AJ 0057270 22513074317161717000 20006776020022510350 34013055100621001420 61017000307421000130 R(X Y P B R(C/1AX HFQ LP A X Q AX 0057274 63017000031534013055 10062100143561017000 30742100015063017000 01001365010014502000 A CM1AX HFQ L2 A X Q A/ A A K A L/P 0057300 14526171700020006776 02002251036501001463 20002477340330265403 77761071040430715403 L) P B R(C A L P T 1CXV=C H DDX =C 0057304 77763003170202002251 20777677352607532000 05003503217741000752 02000566342602002025 XCOBB R(P 2VG\$P E 2CQ 6 G)B E 1VB PU 0057310 01001465200003025400 12350100153130560470 50001166046514005400 12653074160160601601 A L P CB= JZA MYX.D / I D L = J X NA NA 0057314 60501616603014003403 20000000040302002167 14666060307560500100 15310100156720003103 /NN XL 1CP DCB Q L X /A HYA M P YC 0057320 54002172500022335400 21773056217776773403 16400200216714666030 20002000343014000200 = Q / RO= Q X,Q ICN58 Q L XP P 1XL B 0057324 20063074623054001736 30562177767734321620 33325400166330776230 17016370173414020200 PFX X= 03X,Q 1ZNPOZ= N X XOA 01LBB 0057330 20063076601030100574 30746010301005743011 04031411342430323403 23001662343230776230 PFX HXHE X HXHE XIDCLIITXZICS N 12X X 0057334 17016370173414020200 20063003162034163055 31031006617170002000 67760200225136033316 OA OILBB PFXCNPINX YCHF 0057340 05640100164430031006 31301071020021673056 17403403164002002167 01001567002400000000 E A N9XCHFYXH B Q X,051CN5B Q A M T 0057344 00000000540071700100 17431466617071753074 21000101601030101204 04621405341030131237 - A 08L X Q AA HXHJDD LEIHXKJ4 0057350 10143114045310143155 10066110717514010344 20000100540016622000 17165400166301002005 HLYLD\$HLY HF H LAC9P A = N P DN= N A PE 0057354 35342000201032340461 07601011323010110664 10113530036101002024 14046010302610023126 21P PHZ1D G HIZXHIF HIZXC A PTLD HXVHBYV 0057360 21002477540020521402 35106030331104313034 33511237056730106135 20511701335704613357 Q T = P)LB2H X0IDYX10(J4E XH 2P(QAO.D 0. 0057364 62601701626014023526 14125500205221774100 07450100202420000000 04201400540020755000 OA LBZVLJ PIQ 6 G+A PTP DPL = P / 0057370 20525400211330776335 66261702613521121402 35260100202401002120 20000000047362601701 PJ= QKX 2 VOB 2QJLB2VA PTA QPP D DA 0057374 62600367010021312000 36773425340030061006 10714400107521007777 60104000120334013600 C A QYP 3 1U1 XFHFH 9 H Q H5 JCLA3 0057400 23003706040650010010 10060757150044003625 03430100216634163055 24001006617170003603 S 4FDF/A HHFG.M 9 3UCBA Q 1NX T HF 3.0 0057404 36553433100634611063 34603756343410063451 10633450200022136260 16016250161662302000 3 10HF1 H 1 4,11HF1(H 1/P RK NA /NN XP 0057410 67760200225130163203 05400100216603230100 22340200223730441337 34443057622017016240 B RIXNZCE5A Q CSA RIB R4X9K419X. 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P DILA AJXHFQ CAJX1IP 0060414 04143457140154001503 20001504341520330406 02000476307763731355 14023411140034121460 DL1.LA= MCP MDIMPODEB D X K LBILL 1JL 0060420 02000336030414360200 03360100011400160076 0022000000000052 002400000000003433 B C3CDL3B C3A AL N R PIT 0060424 50001367340140013432 12033402010214020307 03130307203620100200 04760200127102000566 / K 1A5A1ZJC1BABLBCGCKCGP3PHB D B J B E 0060430 03670200127103640000 000000000000001001425 54001433307763701432 17016040304313773443 C B J C A LU= LOX LZOA 5X8K 18 0060434 14003444036101001444 14003402500214660400 53001635040414023502 03675002146734020102 L 19C A L9L 1B/BL D \$ N2DDLB2BC /BL 1BAB 0060444 60103006120334015001 00101006061210713406 50000106350310633502 36000353107134073503 HXFJC1A/A HHFFJH 1F/ AF2CH 2B3 C\$H 1G2C 0060450 10633502360001001477 02001271020012626010 16016040146660203014 22001776110134143013 H 2B3 A L B J B J HNA 5L PXLR O IA1LXK 0060454 13773413307134223041 10060605020012621606 62200200126262100100 13050100160150001120 K 1KX 1RX6HFFEB J NF PB J HA KEA NA/ IP 0060460 04032000000521001113 02001426036414003457 30741621617025705000 25731277540012233052 DCP EQ IKB LVC L 1.X NQ U / U J = JSX) 0060470 04472000131754004053 01004040303312375400 11023425101431340504 02001367006354001103 D\*P KO= 5\$A 55X0J4= IBIUHLY1EDB K 0060474 34265052262310160607 30441016071102001367 00431001061230441017 06705000114404043044 1V/)VSHNFGX9HNGIB K 8HAFJX9HUF / I9DDX9 0060500 10110662305211120513 50001151041020001151 02001426020047620421 02001262617011135000 HIF X)IJEK/ [(DHP [(B LVB \* DQB J 0060504 11161377540011162000 11130200142602004762 05040200136700375000 11200410200011200200 INK = INP IKB LVB \* EDB K 4/ IPDHP IPB 0060510 14260200476204635000 11243400123717100704 02001367005730001071 12371703067002003102 LVB \* D / IT1 J40HGDB K .X H J40CF B YB 0060514 02003507076320001144 02005022540012240720 10031605602016106010 30101016060402003053 8 2GG P I9B /R≖ JTGPHCNE PNH HXHHNFDB X\$ 0060520 04050331020013670063 50001144047250002567 12010466500025671202 05620200310205030100 DECYB K / 19D / U JAD / U JBE B YBECA 0060524 40541210047402001367 01435000114405030100 23145000124154002141 50001240127723002300 5=JHD B K AB/ 19ECA SL/ J6= 06/ J5J S S 0060530 54002140500005153105 60073007101106213013 10031616601330131207 16341014331210062300 - Q5/ EMYE GXGHIFQXKHCNN KXKJGN1HLOJHFS 0060534 21400404020013670047 30200503010022525052 26231202050750001125 04042000112503032000 05DDB K \*XPECA RI/IVSJBEG/ IUDDP IUCCP 0060540 11060200142614003401 30231377342350010040 53010020043050522623 12140403010020475052 IFB LVL 1AXSK 15/A 5\$A PDX/)VSJLDCA P+/) 0060544 26231202053250001125 05273077622061701125 02003507060702001367 00573601110405412000 VSJBEZ/ IUEHX P IUB 2GFGB K .3AIDE6P 0060550 11440200502254001224 06100100205202001602 02001367001350000515 31056010301010110634 I9B /R= JTFHA P)B NBB K K/ EMYE HXHHIF1 0060554 02003102052150522623 10140625020030530522 50002567110305040200 13670063010040541210 B YBEQ/JVSHLFUB X\$ER/ U ICEDB K A 5=J4 0060560 05653012120105040200 13670143020027125052 26231015060302004260 02004173305211050403 E XJJAEDB K ABB WJ/JVSHMFCB 7 B 6 XJIEDC 0060564 20000023230011060700 41142004257502000442 50522623101306112000 01205400257520042575 P SS 1FB 6LPDU B D7/JVSHKFIP AP= U PDU 0060570 02000442505226455500 13665000114404041401 55001366500011250404 14015500136650001102 B D7/IV+ K / I9DDLA K / IUDDLA K / IB 0060574 34255000110334261466 60205000125112020407 14666010307421000102 62105052262310140623 1U/ ICIVL P/ J(JBDGL HX Q AB H/)VSHLFS 0060600 50001243601017016030 30101377336034102077 74773534500012436210 17016230033350001251 / J8 HDA XXHK 0 1HP 21/ J8 HDA XCO/ J6 0060604 12020427307416746010 30145400537230131277 23002100540053713060 54005373200053743415 JBDWX N HXL= \$ XKJ S Q = \$ X = \$ P \$ 1M 0060610 20332206020004763052 11040505203620050200 04761101041350001125 04100200313105035400 PORFB D X)IDEEP3PEB D IADK/ IUDHB YYEC= 0060614 12210200440620001144 02005022060301002047 54001224300554001235 30065400127520001400 JQB 9FP 19B /RFCA P\*= JTXE= J2XF= J P L 0060620 34325052262310100707 02001602203620010200 04762036201102000476 5655000057000000000 1Z/1VSHHGGB NBP3PAB D P3P1B D , 0060624 0000000000000002320 30305655000023260724 20070324201522200120 04060124030725012301 SPXX. SVGTPGCTPMRPAPDFATCGUASA 0060630 23062304040401230724 00000000103116000000 0000002103010201265 12600001326030002000 SFSDDDASGT HYN 0060634 30202000326412000000 00010001000100010001 0001002400040001 00010001000100010001 XPP Z J AAAAATDDAAAAA 0060640 00010001200053670200 04421436020003360100 01142000540003662000 54130363200054260360 A AP \$ B D7L3B C3A ALP = C P = KC P = VC 0060644 01002711300534603411 30521111051450001123 12771101050750002622 05600200136700431425 A WIXEL 1IX)IIEL/ ISJ IAEG/ VRE B K 8LU 0060650 34131457020003363011 12370533305211200406 11240404020052420703 01002711500025671103 1KL.B C3XIJ4E0X)IPDF1TDDB )7GCA WI/ U IC 0060654 05133074162260102000 77603211060402001367 04230100404010150630 50001224100316046010 EKX NR HP ZIFDB K DSA 55HMFX/ JTHCND H 0060660 30131377311131123110 54001422200000765400 14242000036054001423 02001367206314045400 XKK Y1YJYH= LRP - LTP C - LSB K P LD-0060664 14222000030054001423 02001367207301003041 14023411145102000336 30110367010030521404 LRP C = LSB K P A X6LB1IL(B C3XIC A X)LD 0060670 60401402354060103341 04673014335112370567 30401601601030103305 12770560150003521400 5LB25 H06D XL0(J4E X5NA HXH0EJ E M C)L 0060674 01003101307421000102 60103010056730120465 12020404020013670223 50001251130211025400 A YAX Q AB HXHE XJD JBDDB K BS/ J(KBIB= 0060700 12513012035101003130 20001125020014263077 63701106170160103013 13773413140034013601 J(XJC(A YXP IUB LVX IFOA HXKK 1KL 1A3A 0060704 11050455500100073402 23004747046713770412 30025301003713770540 30021147127704543002 IED /A GIBS \*\*D K DJXB\$A 4K E5XBI\*J D=XB 0060710 53010037127704470365 01003202302612072300 10005400321314012400 54001225302510143326 \$A 4J D\*C A ZBXVJGS H = ZKLAT = JUXUHLOV 0060714 21400077070520004000 55001225500012231100 05105000262204052000 20005500122501003202 Q5 GEP 5 JU/ JSI EH/ VRDEP P JUA ZB 0060720 01003245305312372300 21005400126530545400 12660200470304350200 12621601107132553256 A Z+X\$J4\$ Q = J X== J B +CD2B J NAH Z Z, 0060724 06260200126216016010 30105400341630131071 16053401305312771014 07073154310117011071 FVB J NA HXH- 1NXKH NE1AX\$J HLGGY-YADAH 0060730 32560703010026673001 52001222060355001222 50001222171034010723 04220200126216106101 Z,GCA V XA) JRFC JR/ JROHIAGSDRB J NH A 0060734 11205000113512371014 51001136160210713256 07030100266730741666 60201601603061701106 IP/ I2J4HL( I3NBH Z,GCA V X N PNA X IF 0060740 16076040301110671203 54002567020036700503 01003245020045061414 52001222062550001150 NG 5XIH JC= U B 3 ECA Z+B +FLL1 JRFU/ I/ 0060744 05021601163334012000 00000414220037771006 33015400124110632300 01005400124030756010 EBNAN01AP DLR 4 HF0A- J6H S A - J5X H 0060750 30121377040514005400 11440311500011440506 30776220617011440330 30245400115030121010 XJK DEL = I9CI/ I9EFX P I9CXXT= I/XJHH 0060754 06115000262205030100 26672000011060203023 12773423500011471377 31235400114701003245 FI/ VRECA V P AH PXSJ 1S/ I\*K YS= I\*A Z+ 0060760 15000100350650001125 34363437047150522623 10070603140003633074 21000101601030101017 M A 2F/ IU1314D /JVSHGFCL C X Q AA HXHHU 0060764 06055000122311000423 50522623102107443052 11040514500011240411 50001120050301003505 FE/ JSI DS/)VSHQG9X)IDEL/ ITDI/ IPECA 2E 0060770 14025452262350001147 12775100051560103014 10031604603020001125 02001426140034442000 LB=)VS/ I+J ( EM HXLHCND XP IUB LVL 19P 0060774 53743415203301260200 04763001343654001104 10143102343754001105 05313052110504261101 \$ 1MPOAVB D XAI3- IDHLYB14- IEEYX)IEDVIA 0061000 05175000112005140200 12626010200010333414 02001262621001001305 02001602020013670013 ED/ IPELB J HP HOILB J HA KEB NBB K K 0061004 50030062540011505052 26231202050530363425 30373426010035060100 36675052262310070703 /C = I//)VSJBEEX31UX41VA 2FA 3 /)VSHGGC 0061010 14010370500011661237 10145100116716031071 32560703010026671404 34015000116612371006 LAC / I J4HL( I NCH Z,GCA V LD1A/ I J4HF 0061014 31551006510011676101 11701466603050001212 12773433500012133434 14056000300232003405 Y HF( I AI L X/ JJJ 10/ JK11LE XBZ 1E 0061020 37050603010027035100 05156010301010060666 30141003160460005000 12073300055650001210 4EFCA HC( EM HXHHFF XLHCND / JGO E+/ JH 0061024 33010552500012113302 05465000121233031377 05723052112004105000 11723303127705620200 0AEI/ JIOBE-/ JJOCK E X)IPDH/ I OCJ E B

0060464 12770404345217220703 01002667020045730200 32460200304204165000 25671103050402001367 J DD110RGCA V B + B Z-B X7DN/ U ICEDB K

0061030 44255000114713773305 54001147302454001150 50001144510011250503 01003667010026673075 9U/ I+K OE= I+XT= [// [9{ IUECA 3 A V X 0061034 60103011137711203411 30551006160162100100 13053074210001026010 30111071311004040200 HXIK IP1IX HFNA HA KEX Q AB HXIH YHDDB 0061040 13670057307762506040 30411377112034411400 34423074210001026240 10703411141502000336 K .X / 5X6K IP16L 17X Q AB 5H 1ILMB C3 0061044 01004040010041133431 50522600540025760200 16022000260034011440 02005345200025640200 A 55A 6K1Y/JV = U B NBP V 14L5B \$+P U B 0061050 53454031040730310200 14261440020053452000 25640200534550001144 04102000114402001426 \$+5YDGXYB LVL58 \$+P U B \$+/ I9DHP I9B LV 0061054 14400200534520002566 02005345010041130100 41725052262310120672 20004252020014262000 L5B \$+P U B \$+A 6KA 6 /)VSHJF P 7)B LVP 0061060 40773420505226231011 06043020137734202000 53743415203302060200 04762400072130575400 5 1P/)VSHIFDXPK 1PP \$ 1HPOBFB D T GQX.= 0061064 12433004540012421400 34573020127704030100 41720200136740630200 13671437200615474747 JBXD= J7L 1.XPJ DCA 6 B K 5 B K L4PFM+++ 0061070 0000000010042571404 60203023101151001223 10033124160560203020 12073401500011501207 A 7.LD PXSHI( JSHCYTNE PXPJG1A/ I/JG 0061074 04023401500146225400 12253020107112073401 50001150107112070402 34015001463254001230 DBLA/A-R= JUXPH JGLA/ I/H JGDBLA/A-Z= JX 0061100 30201074120710013401 50001150107412070403 10013401500146425400 12265001464354001227 XPH JGHA1A/ 1/H JGDCHA1A/A-7= JV/A-8= JM 0061104 50522623101406270200 32033020106612071001 34015000115010661207 040310013401500014662 /JVSHLFWB ZCXPH JGHA1A/ I/H JGDCHA1A/A-0061110 54001226500146635400 12270100425701004405 30253401303634253001 34363026340130373426 - JV/A- - JWA 7.A 9EXULAX31UXA13XV1AX41V 0061114 30013437036101004424 30141003160360003001 34063014100316203272 54004455106323002100 XA14C A 9TXLHCNC XA1FXLHCNPZ = 9 H S Q 0061120 54004454300610060620 04171067210077776010 30061203341450140010 34065300117304040356 = 9=XFHFFPDDH Q HXFJC1L/L H1F\$ I DDC. 0061124 01002706020005135000 11745200010607020566 01004424010045053052 11120431500011632200 A WFB EK/ I ) AFGBE A 9TA +EX)IJDY/ I R 0061130 77375400116350001163 22000700050520000200 55001163500011632200 70000505200040005500 4= I / I R G EEP B I / I R EEP 5 0061134 11635000116310711207 17040606500011631066 17050703010027001604 04741701047250001163 I / I H JGQDFF/ I H DECCA W NDD DAD / I 0061140 12371711066501004505 01004572307421000101 60103010107512015500 26225052262310070661 J40IF A +EA + X Q AA HXHH JA VR/IVSHGF H P / A E H P / A E H 0061160 60103011124003713410 01004712307416216010 30131277110004663074 21000101601030101017 HXIJ5C 1HA +JX NQ HXKJ I D X Q AA HXHHU 0061164 06031501035530741677 60103014122011200403 01004711144360103013 12041104341030131201 FCMAC X N HXLJPIPDCA \*IL8 HXKJDIDIHXKJA 0061170 11010100471214000100 47611440340140011071 04201745066640011277 04151745066136011143 IAA \*JL A \* L51A5AH DPO+F 5AJ DMO+F 3AIB 0061174 05633043107117450753 03514001054736011143 05733043107105413040 03400100502154005027 E X8H 0+G\$C(5AE+3AI8E X8H E6X5C5A /Q= /H 0061200 30776370502617016040 30261207172123776777 54005152140560011401 34073003320134053040 X /VOA 5XVJGOQS - ()LE ALAIGXCZAIEX5 0061204 05133407304312775100 05156000300410031604 60403705060301005021 51000515600030001071 EK1GX8J ( EM XDHCND 54EFCA /Q( EM X H 0061210 12411140056430031006 07613004100316156010 17076011170260123010 22001020054530111065 J615E XCHFG XDHCNM HOG IOB JXHR HPE+XIH 0061214 12013307054030403312 05263041331305233042 33140520304333151377 05143004100316056012 JAOGE5X50JEVX60KESX70LEPX80MK ELXDHCNE J 0061220 17026010300705063016 10000703010050643713 54005164302610742200 51631601340731113406 OB HXGEFXNH GCA / 4K= ( XVH R ( NAIGYIIF 0061224 30151014073530113406 30041003162032725400 52161063230021005400 52153006100606201067 XMHLG2XI1FXDHCNPZ = JNH S Q = JMXFHFFPH 0061230 21007777601030061203 34145014001034063707 05613004010050211476 02000336150101005021 Q HXFJC1L/L H1F4GE XDA /QL B C3MAA /Q 0061234 01005241500005153105 60103006220037741075 34003010101006343014 10031602601030112100 A 16/ EMYE HXFR 4 H 1 XHHHF1XLHCNB HXIQ 0061240 01003100341410633110 23002000341330773412 14003411144502000336 30111006072130776010 A Y 1LH YHS P 1KX 1JL 11L+B C3XIHFGQX H 0061244 03063014100316203100 60103006120321001012 54005326301410120100 52414501360236014002 CFXLHCNPY HXFJCQ HJ= \$VXLHJA 16+A3B3A5B 0061250 13774401040543020567 54010001010053443402 40010463370236024002 10144501127704623601 K 9ADE8BE =A AA \$9185AD 483858HL+AJ D 3A 0061254 40021277100644010564 03552006155501220757 55052222172257000000 20061555111414050701 58J HF9AE C PFM ARG. ERROR. PFM ILLEGA 0061260 14552205212505232457 00002006155511162601 14110455060115111431 57000000111626011411 L REQUEST. PFM INVALID FAMILY. 0061264 04552006035501040422 05232357000000000000 36200100160100000661 01001606010056360000 D PFC ADDRESS. 3PA NA FANFA,3  $0061270 \quad 00000000000001001616 \quad 30061075210077776010 \quad 30061203340150010010 \quad 03633001010016343403$ A NNXFH Q HXFJC1A/A HC XAA NIIC 0061274 02000560060302001445 50030001340140030505 34015003000104573407 10060653107134061400 B E FCB L+/C ALASCEELA/C AD.1GHFF\$H 1FL 0061300 34074003040350030001 34010100163401001673 50660012346150660013 34623161051402004446 1G5CDC/C Alaa NIA N / JI / KI Y ELB 9-0061304 30615466001230625466 00130200242603535045 00011277041120001724 02002511304502004565 X = JX = KB TVC\$/+ AJ DIP OTB UIX+B + 0061310 03635066002410711100 05073003170207040200 13670130020044463061 54450002306254450003 C / TH I EGXCOBGOB K AXB 9-X =+ BX =+ C 0061314 30450200456502002426 01001673010017661237 34015400211620001021 32015400210530363137 X+B + B TVA N A O J41A= QNP HQZA= QEX3Y4 0061320 04625066002410711102 04212000556434455066 00123461506600133462 31610406140155001366 D / TH [BDQP 1+/ J1 / K1 Y DFLA K 0061324 02002261506600241277 34325066002410710517 30460505140434320100 21125046000610150770 B R / TJ 12/ TH EOX-EELD1/A QJ/- FHMG 0061330 10621217343203171102 04155000110605040200 13670060200007235400 20523046055230321710 H JOLZCOIBDM/ IFEDB K P GS= P)X-E)XZOH 0061334 07130200136700105032 21251000067130320100 17665000122105662000 21151101040311020560 GKB K H/ZQUH F XZA O / JQE P QHIADCIBE 0061340 14010363035700120004 00100000035603120212 01002135304504745066 00241071110204671103 LAC C. J D H C,CJBJA Q2X+D / TH IBD IC 0061344 04043046046303033046 04261427601030715546 00061063554600053012 54460007301354460010 DDX-D CCX-DVLW HX - FH - EXJ=- GXK-- H 0061350 30145446001130450200 45650326307763701106 17016170112550001124 54002224506600241277 XL=- IX+B + CVX IFOA IU/ IT= RT/ TJ 0061354 54001124020016742000 22235400112414276010 30125466003330135466 00343014546600350100 \* ITB N P RS= ITLH HXJ= OXK= 1XL= 2A 0061360 21350100224450001216 34060200421606703060 02001367015401002260 14003403360302002245 Q2A R9/ JN1FB 7NF X B K A=A R L 1C3CB R+ 0061364 30065445777530075445 77760200051330450200 05600603010024111402 34023045161434010312 XF=+ XG=+ B EKX+B E FCA TILBIBX+NL1ACJ 0061370 14123501140235025345 00010503010023735000 11060425530100000561 50010001530011070554 LJ2ALB28\$+ AECA S / IFDU\$A E /A A\$ IGE-

0061374 50010002530011100547 50010003530011111337 04130340500100031237 33360572500100043337 /A B\$ IHE\*/A C\$ IIK4DKC5/A CJ403E /A D04 0061400 05663001344630015400 17250100226030023371 04020367504500023461 50450003346231610457 E XA1-XA= OUA R XB0 DBC /+ B1 /+ C1 Y D. 0061404 01002264500022612300 20310504020013670010 30600200136701740100 24255000161305035000 A R / R S PYEDB K HX B K A A TU/ NKEC/ 0061410 16124445140254450001 02002245300654457775 30075445777630451602 54002461160554002464 NJ9+LB=+ AB R+XF=+ XG=+ X+NB= T NE= T 0061414 14666170246014666170 24633025544500043026 54450005304516140200 25113045020045652000 L T L T XU=+ DXV=+ EX+NLB UIX+B + P 0061420 16140200456501002425 01002510340154002525 16055400255030776370 11251701617025245001 NLB + A TUA UH1A= UUNE= U/X 0061424 00031377313654010003 30375401000430451607 54002545142761702544 17016170254750001124 CK Y3=A CX4=A DX+NG= U+LW U9UA U+/ IT 0061430 12171120317154010006 14025545000101002510 01002565306405223052 11100403020041133067 JOIPY -A FLB + AA UHA U X ERXIIHDCB 6KX 0061434 05030200432430670200 31371420553500010100 26703052111005133064 34670200313730633435 ECB 8TX B Y4LP 2 AA V X)IHEKX 1 B Y4X 12 0061440 02004565010025655064 00105400123650640011 54001237306402003137 30473230045417030752 B + A U / H= J3/ I= J4X B Y4X+ZXD=QCG) 0061444 16013447306705030200 43240200335714205535 00013063020045653063 33350404303502004565 NA1\*X ECB 8TB 0.LP 2 AX B + X 02DDX2B + 0061450 30673235170205224035 10060604107134061400 107134075400161333006 54001612200016140200 X Z20BER52HFFDH 1FL H 1G= NKXF= NJP NLB 0061454 45650100256501002722 02000566500012140200 45255066000616023432 10635166000534315066 + A U A WRB E / JLB +U/ FNB1ZH ( E1Y/ 0061460 00113407140034035466 00045066000313775466 00035066001034060200 16173401100606265000 IIGL 1C= D/ CK = C/ H1FB N01AHFFV/ 0061464 01063207340230311014 31323202060301003050 34321063343136031400 34073006343330010345 AFZG1BXYHLYZZBFCA X/1ZH 1Y3CL 1GXF10XAC+ 0061470 30311014313231073201 17010527140255003133 30521107050301003133 50660010340650660011 XYHLYZYGZAQAEHLB YOXJIGECA YO/ HIF/ I 0061474 04021701020045101500 54660011010031213003 17020603010031245600 31335066001022003777 DBOAB +HM = IA YQXCOBFCA YT, YO/ HR 4 0061500 34125000010652660011 31321702546600063005 34113006341330333414 30521107050734103077 1J/ AF) IYZQB= FXE1IXF1KX01LX)IGEG1HX 0061504 62106170124403041463 02000336140054660005 20004000350550001214 02004613300512773405 H J9CDL B C3L = EP 5 2E/ JLB -KXEJ 1E 0061510 14000100272201003136 34015400317034022100 01065400326054003327 30013366041120000120 L A WRA Y31A= Y 1BQ AF= Z = OHXAO DIP AP 0061514 34031400440236023703 05733077624061703167 50010003137731255401 00033026540100045000 1CL 9B3B4CE X 5 Y /A CK YU-A CXV-A D/ 0061520 12365401001050001237 54010011302754010005 30305401000614276010 30011612340230660433 J3=A H/ J4=A IXW-A EXX-A FLW HXANJIBX DD 0061524 16123403330204114003 44023603360221777657 33010570200003045400 32665000113710060607 NJ1COBDI5C9B3C3B0 .OAE P CD= Z / 14HFFG 0061534 00213603360211150561 30660403010031361402 34021443310154003325 16033403307763021132 03C3BIME X DCA Y3LB1BLBYA= OUNCICX BIZ 0061540 17026170332461703326 40031377440314005403 00015000112422003737 54010024500011635401 OB OT OV5CK 9CL =C A/ ITR 44=A T/ I =A 0061544 0036200000054010025 01003136010033565064 00111602340730303403 50640010340630073103 3P =A UA Y3A 0,/ INB1GXX1C/ HIFXGYC 0061550 52000106070734031400 34070200161703645100 01063407200001203401 30673402140044023602 ) AFGGICL 1GB NOC ( AFIGP APIAX 18L 9838 0061554 37010573300754670011 30065467001030475467 00060100335601003434 14276010140234103566 4AE XG= 1XF= HX+= FA 0.A 11LW HLB1H2 0061560 50100012546600260304 00215466004037663710 06653666566600201063 55660017506600053427 /H J= VCD Q= 54 4HF 3 , PH 0061564 50660006343030650200 45650100343401003477 02003507020035660371 01003506500012353405 / F1XX B + A 11A 1 B 2GB 2 C A 2F/ J21E 0061570 50001275340602004626 04040200136700631404 55001366020042651400 34071466603120006271 / J 1FB -VDDB K LD K B 7 L 1GL YP 0061574 34332000556434340200 05130100350630033466 50320033346550660010 54001236506600115400 10P 11B EKA 2FXC1 /Z 01 / H= J3/ I= 0061600 12371400010035651400 05055600356701003635 01003670300334675032 00333435036014000427 J4L A 2 L EE, 2 A 32A 3 XC1 /Z 012C L DW 0061604 20001400540036050312 20006776543200332000 03125400361303113032 11013432200036301277 P L = 3ECJP =Z OP CJ= 3KCIXZIA1ZP 3XJ 0061610 04510342503200333403 30065403777530075403 77763003020016350503 01003601343154003631 D(C7/Z 01CXF=C XG=C XCB N2ECA 3A1Y= 3Y 0061614 14023503030720000120 35031520353104405003 00031237101453030004 24000462332610063325 LB2CCGP AP2CMP2YD5/C CJ4HL&C DT D 0VHF0U 0061620 05560200400505530100 35475003001110060745 50030006340032300740 04213047320006123000 E,B 5EE\$A 2\*/C IHFG+/C F1 ZXG5DQX+Z FJX 0061624 34475600360530033464 50320033346301003662 06751400540036763000 34470360500035665300 1\*. 3EXC1 /Z 01 A 3 F L = 3 X 1\*C / Z \$ 0061630 35050521505237633402 0400010200000003775 40014001000040013775 40013775400130600200 ZEEQ/)4 1BD AB 4 5A5A 5A4 5A4 5AX B 0061634 13670174020013670010 01004004032136461063 04023545500300111006 07115003000635621063 K A B K HA 5DCQ3-H DB2+/C IHFGI/C F2 H 0061640 51030005040235614003 33400552500300013341 05465003000233420542 50030003334310710566 (C EDB2 5C05E)/C A06E-/C B07E7/C CORH E 0061644 50030043530011320561 50030044530011330554 50030045530011340547 50030046530011351071 /C 8\$ 1ZE /C 9\$ 10E=/C +\$ 11E+/C -\$ 1ZH 0061650 01004004300754001237 20004000350550001214 02004613300512773405 01004112040702000566 A 5DXG= J4P 5 2E/ JLB -KXEJ 1EA 6JDGB E 0061654 50001214020045250200 15001500340234033007 34333006343254001236 36075000010632070512 / JLB +UB M M 1B1CXG10XF1Z= J33G/ AFZGEJ 0061660 34070200454704365400 12363406500001063503 10633502300232270706 10143103323017010605 1GB +\*D3= J31F/ AF2CH 2BXBZWGFHLYCZXOAFE 0061664 02004547055703121601 23777777510001060200 45100100407530323406 30330200451050001214 B +\*E.CJNAS ( AFB +HA 5 XZ1FX0B +H/ JL 0061670 01004417010042153006 34003000340610752100 77776010300612033401 50010010340010060617 A 90A 7MXF1 X 1FH Q HXFJC1A/A H1 HFFO 0061674 15005300010635620655 36623761065250000106 31623407010042151071 32620773306104671500 M \$ AFZ F 3 4 F1/ AFY 1GA 7MH Z G X D M 0061700 03670100426402000513 30141003162032725400 42255400151054001623 10632300210054004224 C A 7 B EKXLHCNPZ = 7U= MH= NSH S Q = 7T 0061704 54001507540016220100 42641400543500011402 31353467010043235035 77753406503577761601 = MG= NRA 7 L =2 ALBY21 A 85/2 1F/2 NA 0061710 44355300010605560200 05665000121502004525 02001500300534111412 34131471341214570200 92\$ AFE₁B E / JMB +UB M XE11LJ1KL 1JL.B 0061714 03363006443502004547 04152000400035055000 12150200461330051277 34050100431550001237 C3XF92B +\*DMP 5 ZE/ JMB -KXEJ 1EA 8M/ J4 0061720 10060611302012773405 30210200461330603405 50001215020046133060 02001367014430065400 HFFIXPJ 1EXQB -KX 1E/ JMB -KX B K A9XF= 0061724 16123007540016132000 40003505500012160200 46133005127734050100 44450200056650001216 NJXG= NKP 5 2E/ JNB -KXEJ 1FA 9+B E / JN 0061730 02004525020015003002 34613003346236075300 01060406300702004510 01004425020045470405 B +UB M XB1 XC1 3G\$ AFDFXGB +HA 9UB ++DE 0061734 34061400340703675000 12160100441701004507 34133006220037773412 30053411144302000336 IFL 1GC / JNA 90A +G1KXFR 4 1JXE11L8B C3

DSDI - V2.0 79/10/30. 15.19.47. NOS 1-8J03T/R2B. NOS 1.4 STUDY DUMP.

0061740 03630100452434060200 46260472020013670170 01004535340602004626 04720200136701710100 C A +T1FB -VD B K A A +21FB -VD B K A A 0061744 45461400341334143005 34113006341214550200 03363014036201004564 34035003777534065003 +~L 1K1LXE1IXF1JL B C3XLC A + 1C/C 1F/C 0061750 77763407020005133003 11000200056306603005 34343034020013670175 01004612341230053411 1GB EKXCI B E F XE11X1B K A A -JIJXE1I 0061754 14033413145702000336 03650100462530053411 30063412140234131457 02000336301104631500 LCIKL.B C3C A -UXE1IXFIJLBIKL.B C3XID M 0061760 34011400020003363074 16206010301105513701 06660350020035000404 02001367001050660011 LAL B C3X NP HXIE(4AF C/B 2 DDB K H/ I 0061764 10060604020013670364 14030200176711030504 14055500111602005241 02002136020034350200 HFFDB K C LCB U ICEDLE INB 16B Q3B 12B 0061770 05663066550047271413 52001222060602001262 16136370010650660036 12775400116304103052 E X +WLK) JRFFB J NK AF/ 3J = I DHX) 0061774 11210505500011630200 54671417520012220606 02001262161763701163 20001113020014265000 IQEE/ I B = LO) JRFFB J NO I P IKB LV/ 0062000 11161277354330521121 04021404111110153374 10133444500012433457 60201701624014005400 INJ 28X)1QD8LD11HHO HK19/ J81. POA 5L = 0062004 12433630106335273020 12773405117704123027 05100200051350000106 32301701063730301601 J83XH 2WXPJ 1EI DJXWEHB EK/ AFZXQAF4XXNA 0062010 34141063312734133005 34113021050334111405 34121455020003363020 13773311342030140505 1LH YWIKXELIXQECIILEIJL B C3XPK 011PXLEE 0062014 30200200136701453021 05033014342120362013 02000476560020572000 37775400240214775400 XPB K A+XQECXL1QP3PKB D , P.P 4 = TBL = 0062020 24033057540024155400 51416220170161702404 20001500540024105400 11173020127754002411 TCX.= TM= (6 POA TDP M = TH= IOXPJ = TI 0062024 34053052112105160200 52673074167160102000 51403457602034113074 16716210020005133014 1EXJIGENB ) X N HP (51. PIIX N HB EKXL 0062030 10032177701754001623 54001510106323002100 54001622540015075000 01065500136110635500 HCQ O= NS= MHH S Q = NR= MG/ AF K H 0062034 13603021540024123406 34221401342314053424 14276170241656002416 14003407020021410200 K XQ= TJ1F1RLA1SLE1TLW TN, TNL 1GB Q6B 0062040 05130200211714000200 53310503010017053005 02001367024501005240 50660005127755005254 EKB QOL B \$YECA DEXEB K B+A 15/ EJ ]= 0062044 30741676601030131277 17000706056130145266 00060655020013670124 01005266307416716010 X N HXKJ D GFE XL) FF B K ATA ) X N H 0062050 30110471345717016020 02005434051430142300 04003414362430571701 62101601622003505000 XID 1.DA PB =1ELXLS D 1L3TX.DA HNA PC// 0062054 51413457602002001367 01140200056614020100 53303403200067760200 05600765360750006776 (61. PB K ALB E LBA \$X1CP B E G 3G/ 0062060 23003777055750006777 11770553500070063306 05473401300304225001 70004303051236033601 S 4 E./ I E\$/ FOFE+1AXCDR/A 8CEJ3C3A 0062064 11030570500070034303 13770405020005661501 03233007530001060510 34075000700734061064 ICE / C8CK DEB E MACSXG\$ AFEHLG/ GIFH 0062070 11010304500070073307 04040200056614010100 53303057602017016010 14000100543330776220 IACD/ GOGDDB E LAA \$XX. POA HL A =0X P 0062074 30573414140034131456 02000336301104560362 10143400106333725400 54633074167760104000 X.1LL 1KL.B C3XID.C HL1 H 0 = = X N H5 0062100 10000712150001005466 34011710067250015513 05533074166560103010 12771014330110063410 H GJM A = 1ADHF /A KESK N HXHJ HLOAHF1H 0062104 30741665621003530000 0000000000000000000 14201410203620170200 04762036200302000476 X N HC\$ LPLHP3POB D P3PCB D 0062110 20362012020004762036 20070200047620000413 54003676200003255400 37142000677654003541 P3PJB D P3PGB D P DK= 3 P CU= 4LP 0062114 30201277340502004265 50001236340602001500 30023427300334302036 20060200047650005717 XPJ 1EB 7 / J31FB M X81WXC1XP3PFB D / .D 0062120 54004046203620070200 04762036200702000476 03052036202002000476 30270505200004135400 = 5-P3PGB D P3PGB D CEP3PPB D XWEEP DK-0062124 36762036200202000476 01005557500011250505 50005717540040463032 05035400400650001224 3 P3PBB D A ./ IUEE/ .O- 5-XZEC- 5F/ JT 0062130 10031603617012141601 60105000114404063010 04041400540037035000 12353460140034473445 HCNC JLNA H/ [9DFXHDDL = 4C/ J21 L 1+1+ 0062134 34463461346214666063 30521001340150015721 34315001572034010101 00000325000000005622 1-1 1 L X)HA1A/A.Q1Y/A.P1AAA CU 0062140 47134657000056114700 00000000560147375615 46705527466655434773 55237006553346665523 \*K-. ,I\* \*A\*4 \* H- B\* S F O- S 0062144 70665616467356164741 56344670553750230000 0000465700000000000 36200200465700000106 ,N- ,N+6,1- 4/S 0062150 01004664013100000200 35000407303631370424 02001367001050660011 10060704020052360325 A - AY B 2 DGX3Y4DTB K H/ IHFGDB 13CU 0062154 02001367002402003500 05040200136700243646 10633545020053760200 51370200256602000566 B K TB 2 EDB K T3-H 2+B \$ B (4B U B E 0062160 20362013020004763020 12773405302134061401 34070200051320002402 34633630106335270200 P3PKB D XPJ 1EXQ1FLA1GB EKP TB1 3XH 2WB 0062164 50640200211714000200 50010503010017053005 02001367024402000566 14020100500034031400 / B QOL B /AECA DEXEB K B9B E LBA / 1CL 0062170 34072000677602000560 07633607500067762300 37770555500067771177 05515000700633060545 1GP B E G 3G/ S 4 E / I E(/ FOFE+ 0062174 34013003042150017000 43030512360336011103 05705000700343031377 04040200056615010100 1AXCDQ/A 8CEJ3C3AICE / CBCK DDB E MAA 0062200 50000100505530050200 13670174010050632000 04723401140054012404 37010673200037775400 / A / XEB K A A / P D LAL \*ATD4AF P 4 \* 0062204 24021477540024033057 17016170240450002407 13775400240720001200 54002410500012355400 TBL = TCX.OA TD/ TGK = TGP J = TH/ J2= 0062210 24115000123654002412 14276170241601005063 01005136307763701231 17016010500012300415 TI/ J3= TJLH TNA / A (3X JYOA H/ JXDM 0062214 30101014311116071074 52001230070504040200 13670100500012260504 50001227044430660414 XHHLYINGH ) JXGEDDB K A / JVED/ JWD9X DL 0062220 30135266000634130603 36133712301252660005 34123030351310633127 35121063040402001367 XK) F1KFC3K4JXJ) E1JXX2KH YHZJH DDB K 0062224 01043012520012260707 05703013520012270702 05630100513601005235 56003605140054003613 ADXJ) JVGGE XK) JWGBE A (3A )2, 3EL = 3K 0062230 54660003546600045066 00053227101451660006 32300515540036763066 34643065346330303447 \* C\* D/ EZWHL( FZXEN\* 3 X 1 X 1 XX1\* 0062234 20003662540035760200 35660505306002001367 01643064050730321101 34325032003303032000 P 3 = 2 B 2 EEX B K A X EGXZIA1Z/Z OCCP 0062240 35015400201202005376 14003445344614000200 17671400040402001367 00500200513702002136 2A= PJB \$ L 1+1-L B O L DDB K /B (4B Q3 0062244 56660020106355660017 02002566306433660404 02002723051230653363 04123035336304043035 , PH OB U X O DDB WSEJX O DJX20 DDX2 0062250 33650404306502004565 02000566010052350100 53753061540012333062 54001234304554001231 0 DOX B + B E A 12A \$ X = JOX = J1X+= JY 0062254 30465400123203610000 36200400465700000220 01004664037514436010 30101015072002005614 X-- JZC 3PD -. BPA - C LB HXHHMGPB +L 0062260 02000513200067760200 05600717500070063333 04035600503130333406 02000513140002005744 B EKP B E GO/ FOODC, /YX01FB EKL B .9 0062264 04052000016001005641 50007170101306133052 11130510200020040100 56412000024003735066 DEP A A ,6/ HKFKXJIKEHP PDA ,6P B5C / 0062270 00035300705312770567 50660004530070540562 14023431506600165331 70640553570047633731 C\$ \$JE / D\$ =E LB1Y/ N\$Y E\$. # 4Y 0062274 06675000707513773431 51660025137704253400 30310420340130003331 33013431506600251277 F / K 1Y( UK DU1 XYDP1AX OYOA1Y/ UJ 0062300 54007075333154660025 56005072303404070200 53561400040301004742 30776240617070002000 = OY= U, / X1DGB \$.L DCA \*7X 5

NOS 1.4 STUDY DUMP.

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0062304 12005400700402000513 02006123300533600403 02000566300602004613 30053360040730603405 J = DB EKB SXEO DCB E XFB -KXEO DGX 1E 0062310 02004265020005131400 04063034052030650200 45655066002510731234 04101704550051143020 B 7 B EKL DFX1EPX B + / UH J1DHOD (LXP 0062314 02001367020030521113 04030200213650001260 10200630200054665400 34471400546600055466 B K B X)IKDCB Q3/ J HPFXP = 1\*L = E= 0062320 00065066005251660053 51660054041650660050 13011101546600500307 30275466000530305466 F/ )( \$( =DN/ /KAIA= /CGXW= EXX= 0062324 00060200566702000566 02001271200011130200 14263066550052101413 52001222060602001262 FB . B E B J P IKB LVX JHLK) JRFFB J 0062330 16136370010630521113 04105000126012355400 53330100527620001400 54005316020012621601 NK AFX)IKDH/ J J2- \$0A ) P L = \$NB J NA 0062334 60103013127710063155 10060604020013673057 31141620170110713255 32560666306654005267 HXKJ HFY HFFDB K X.YLNPOAH Z Z.F X = ) 0062340 14203401301312771006 31551006311463010000 50001260123511025400 53335000124334576020 LPIAXKJ HFY HFYL A / J J2IB= \$0/ J81. P 0062344 14005400124330201377 51001256342050660010 34213422140134231405 34243051123721001200 L = J8XPK ( J. IP/ H101RLA15LE1TX( J40 J 0062350 34441377540011172000 00005500111634433057 62201701624050001256 34111416341314570200 19K = 10P IN18X. POA 5/ J.IILNIKL.B 0062354 03360100154401005355 20007177340350007170 22000132343241035103 00015103000205030200 C3A M9A \$ P IC/ R AZ1Z6CIC AIC BECB 0062360 55455000112412373401 02005561305211130510 20000100550071701402 55077776500155343431 +/ ITJ41AB X)IKEHP A 0062364 04030131000014540100 56413032410351030001 51030002052614325500 71705607777601005355 DCAY L=A +6XZ6C(C A(C BEVLZ 0062370 30325103000151030002 05111412036230325103 00020503140203543032 10130604200023600303 XZ(C A(C BEILJC XZ(C BECLBC=XZHKFDP S CC 0062374 20000004010056413032 12320571140254005511 54005516540055205003 55102300777704555603 P DA .6XZJZE LB= I= N= P/C HS D .C 0062400 55155607551701005355 30321220055203533032 12300546140103465430 54765456547600005446 M.G DA \$ XZJPEJC\$XZJXE-LAC--X= -,= 0062404 55235527010055441400 54007202540072075400 72145400722103640100 55602000012360103014 S WA 9L = B G L QC A P AS HXL 0062410 05023614100231142100 71773407500777750560 30071702540056061466 61705605301054077775 EB3LHBYLQ 1G/G E XGOB= ,FL ,EXH=G 0062414 03450100561302000513 14000572560056173014 10031620327254001510 10632300210054001507 C+A ,KB EKL E , ,OXLHCNPZ = MHH S Q = MG 0062420 02001500035254005665 30330200461350001256 54001424500012575400 14222000036054001423 B M C)= , X0B -K/ J,= LT/ J.= LRP C = LS 0062424 30200200136700040100 56663052111304040200 34350370500011241237 11000405110204031107 XPB K DA , X)IKDDB 12C / ITJ41 DEIBDCIG 0062430 05171427601050000012 54660040500000135466 00415000001454660042 30650200456503443033 EDLW H/ J= 5/ K= 6/ L= 7X B + C9XO 0062434 02004613302002001367 01740200056614020100 57433403140034072000 67760200056007633607 B -KXPB K A B E LBA .81CL 1GP 0062440 50006776230037770555 50006777117705515000 70063306054534013003 04215001700043030512 / S 4 E / I E(/ FOFE+LAXCDQ/A BCEJ 0062444 36033601110305705000 70034303137704040200 05661501010057430100 60205100051560003004 3C3AICE / CBCK DDB E MAA .BA PLEM XD 0062450 10031604617061155000 61201377331054006120 14056000300232003405 37050751510005156000 HCND M/ PK OH= PLE XBZ 1E4EGI( EM 0062454 30001071124111400566 30031006076330041003 16156010170760111702 60123010220010300547 X H J615E XCHFG XDHCNM HOG IOB JXHR HXE\* 0062460 30111007074414123407 50076103430705663607 11160571300401006020 000000000000000000 XIHGG9LJ1G/G C8GE 3GINE XDA P 0062464 01006122200037775400 67761477540067773057 04065400701117016170 70003005540070053006 A RP 4 = L = X.DF= IUA 0062470 54007006142761707012 56007012140034071601 54007007200067760200 05630603010057315000 = FLW J, JL 1GNA= GP B E FCA .Y/ 0062474 70073407010061220000 36200700465700000201 01004664200035013445 54002012013100000200 G1GA R 3PG -. BAA - P 2A1+= PJAY B 0062500 13670010020035000572 14000200176750660011 10060707020027230200 54370100154202005362 K HB 2 E L B D / 1HFGGB WSB =4A M7B \$ 0062504 14005466000554660006 54660003546600040200 51170100154402003500 04040200136700105066 L = E= F= C= DB (OA M9B 2 DDB K H/ 0062510 00241071110205040200 13670054307763701125 17016170110614003446 50660012346150660013 TH IBEDB K \*X IUDA IFL 1-/ J1 / K 0062514 34623161041002002261 30460404020054020311 20002400540025545400 25550200167402005437 1 Y DHB R X-DDB \*BCIP T = U== U B N B =4 0062520 01001542020013670010 20006271020054622000 11773401145202005576 04040200136704105000 A M78 K HP B = P I 1AL18 DDB K DH/ 0062524 11765366005112770567 50660011100606455066 00525166005351660054 04275066005012010523 I \$ (J E / IHFF+/ )( \$( \*DW/ /JAES 0062530 50660050120605220200 53621400546600105066 00251277546600250200 51170100154402001367 / /JFERB \$ L = H/ UJ = UB (DA M9B K 0062534 04240200136704300100 51160200543702001271 02000566506600251277 04133410500011471277 DTB K DXA (NB =4B J B E / UJ DK1H/ [\*J 0062540 02005674060402001367 00672000514402004536 02000513144360103010 12201120043650000515 B , FDB K P (9B +3B EKLB HXHJPIPD3/ EM 0062544 31056010301410031620 32725400151010632300 21005400150702001500 02000513200067760200 YE HXLHCNPZ = MHH S Q = MGB M B EKP В 0062550 05600715500051453406 53007006040356005273 14000200561704115000 51450200461330600200 E GM/ (+1F\$ FDC. ) L B .ODI/ (+B -KX B 0062554 13670162500071701277 11320503540052735000 70531277101453007054 23005251051514023431 K A / J IZEC= ) / \$J HL\$ =\$ )(EMLBLY 0062560 50660016533170640506 57005257373106670303 56005273200000000405 20004000550070755000 / N\$Y EF. 1.4YF CC, 1 P 0062564 71701232510071775100 72005100720104205000 71701140540071700200 05130200577602000566 JZ( ( ADP/ 15= 0062570 30060200461303170200 05665000527305673005 23004000341130063412 14430200033650005273 XFB -KCOB E / ) E XES 5 11XF1JL8B C3/ ) 0062574 04053005020013670243 01005116010053615066 00031277550052515066 00045400525250660010 DEXEB K BBA (NA \$ / CJ )(/ D= ))/ H 0062600 54005145036001005401 30461605540054301427 60105000112412173400 50460006137731003411 = (+C A =AX-NE = =XLW H/ ITJ01 /- FK Y 11 0062604 50460005341030776210 61705427304502004565 01005401010054361427 60103012546600333013 /- E1HX H =HX+B + A =AA =3LH HXJ= OXK 0062610 54660034301454660035 30650200456502000566 03550100546134651602 34665000114712773405 = 1XL= 2X B + B E C A = 1 NB1 / I+J 1E 0062614 50001275340602000513 02004626040402001367 14230200426550001173 54657775340650001174 / J 1FB EKB -VDDB K LSB 7 / I = 1F/ I 0062620 54657776340730650200 05600605300502001367 01745000117210711203 10043401100231013566 = 1GX B E FEXEB K A / I H JCHD1AHBYAZ 0062624 30015265000106065066 00045300121304040200 13670410506600035300 12121277056720001204 XA1 AFF/ D\$ JKDDB K DH/ C\$ JJJ E P JD 0062630 34011414020055760560 01005461010055753166 34021403340340014302 05673601360237030463 1ALLB E A = A Y 18LC1C5A8BE 3A3B4CD 0062634 03700200056614020100 56163403140034072000 67760200056007633607 50006776230037770555 C B E LBA +NICL IGP B E G 3G/ S 4 E 0062640 50006777117705515000 70063306054534013003 04215001700043030512 36033601110305705000 / I E(/ FOFE+LAXCDQ/A 8CEJ3C3AICE / 0062644 70034303137704040200 05661501010056160100 56735100051560003004 10031604617057705000 C8CK DDB E MAA ,NA , ( EM XDHCND . /

0062650 57731377331054005773 14056000300232003405 37050751510005156000 30001071124111400566 . K OH= . LE XBZ 1E4EG(( EM X H J615E 0062654 30031006076330041003 16156010170760111702 60123010220010300547 30111007074414123407 XCHFG XDHCNM HOG IOB JXHR HXE+X[HGG9LJ1G 0062660 50075756430705663607 11160571300401005673 000000000000000000 01005775200037775400 /G.. 8GE 3GINE XDA , 0062664 67761477540067773057 04065400701117016170 70003005540070053006 54007006142761707012 L = X.DF= IQA XE= EXF= FLW J 0062670 56007012140034071601 54007007200067760200 05630603010060515000 70073407010057753006 . JL 1GNA= GP B E FCA (/ G1GA . 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POA HL A W6X PX.1LL 1KL,B C3XID,C 0063070 36201300167300000106 01001700020024170373 30630200163556002376 10635500237540635163 3PK N AFA O B TOC X B N2, S H S 5 ( 0063074 00010404020021170761 02002141406351630001 04213730060436303727 07320200225502002117 ADDB QQG B Q65 ( ADQ4XFD3X4WGZB R B QQ 0063100 07620200214102000513 01001705302731300423 30521102041137300604 36303727070402002255 G B Q68 EKA DEXHYXDSX)[BD[4XFD3X4HGDB R 0063104 03700200217350001235 02001367015102002173 30055400237750001235 54002374305704026220 C B Q / J2B K A(B Q XE= S / J2= S X.DB P 0063110 20000000040530050200 13670075010015420100 20245700204605731400 05711404550013661063 P DEXEB K A M7A PT. P-E L E LD K H 0063114 12775500136514125400 20460356001201002047 30071601340353000106 05701400041050000106 J K LJ= P-C, JA P+XGNA1C\$ AFE L DH/ AF 0063120 55001361106355001360 02001617340303535000 01031006060714005463 00014463010017105600 K H K B NOICCS/ ACHFFGL = A9 A OH, 0063124 20140100144420000502 35631500010021163063 53002164046640630406 50630001100251630001 PLA L9P EB2 M A QNX \$ Q D 5 DF/ AHBL A 0063130 16023563217710010356 01002140020005661405 34014001340050011230 44013000540112303601 NB2 Q HAC.A Q5B E LE1A5A1 /AJX9AX =AJX3A 0063134 11100565020005132000 24023463540001010100 21400100217214003457 02002342072702000566 THE B EKP TB1 = AAA Q5A Q L 1.B S7GHB E 0063140 20002203345730521102 04031123055730053411 30062200377734123007 34131443020003360343 P RC1.X11BDCISE.XEIIXFR 4 1JXG1KLBB C3C8 0063150 00000100225402002050 40630505300354630001 03122300377705053003 54630011030330034463 A R=B P/5 EEXC= ACJS 4 EEXC= ICCXC9 0063154 30633401020021171056 04032030000033013463 02000563072256002401 10635500240002002025 X 1AB QUH.DCPX OAL B E GR. 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NOS 1.4 STUDY DUMP.

0063560 14020100330654003313 20003312341230013411 14420200033630110462 17020457307134023702 LBA OF = OKP 0J1JXA11L78 C3XID 0BD.X 1848 0063564 07601400020003363074 16206010500001125400 33440000057630111122 0454035600000000000 G L B C3X NP H/ AJ= 09 E XIIKD=C. 0063570 36241200255400000206 01002561037502002053 16056040020026060200 31041450601030140404 3TJ U= BFA U C B P\$NE 5B VFB YDL/ HXLDD 0063574 14540200033601003460 01002605141034452000 55753425305434260504 30443426345402002357 L=B C3A 1 A VELHL+P 1UX=LVEDX91V1=B 5. 0063600 61455572145055002625 34011400440102002441 05635025777404430200 33643053540050665600 + L/ VUIAL 9AB TOE /U DBB Q X\$= / . 0063604 26460200240216026020 16016030160460600200 30463034100706040200 34320304140054250004 V-B TBNB PNA XND B X-X1HGFDB 12CDL =U D 0063610 14053525020027051405 35250100263701002704 40251006060301002755 30631277345717100664 LEZUB WELEZUA V4A WD5UHFFCA W X J 1.0HF 0063614 50573011041354002727 30776370272617016030 30300200331104305400 27533057110404055000 /.XIDK= WHX WVDA XXXB OIDX= W\$X.IDDE/ 0063620 27534425032002003233 10012100275203112077 37774525042030341204 05131400452532650707 W\$9UCPB ZOHAQ WICIP 4 +UDPX1JDEKL +UZ GG 0063624 04061400442514025425 00010100270414000200 33110504200005000356 44250355000030213025 DFL 9ULB=U AA WDL B 01EDP E C,9UC 0063630 30313035304100000000 02012311030000000624 16400000000006241600 00000000140422540000 xyx2x6 BASIC FTN5 LDR= 0063634 00000000000000000000 01003045140134013034 10170703140034013025 16063457303312200516 A X+LA1AX1HOGCL 1AXUNF1.XOJPEN 0063640 40251277101431010200 36453010455732120747 30124457034414030374 01003103140234023042 5UJ HLYAB 3+XH+.ZJG+XJ9.C9LCC A YCLB1BX7 0063644 34043403100231041001 55003154160554003151 32250703010015161404 60601577356114143411 1D1CHBYDHA Y=NE= Y(ZUGCA MNLD M 2 LL11 0063650 14120200033614023560 60103261062730100571 30601601637055771702 63705572360414125500 LJB C3LB2 HZ FWXHE X NA 0063654 31543457160554003151 40570550146660400305 30043442305434441414 34111404020003363003 Y=1.NE= Y15.E/L 5CEXD17X=19LL11LDB C3XC 0063660 33040422500350663453 02002402160360303034 13023434020020531603 62303603330405570100 ODDR/C/ 1\$B TBNC XX1KB11B P\$NC X3CODE.A 0063664 31031400010032325025 77760573302012773405 51000515601030101006 06613021340604570200 YCL A ZZ/U E XPJ 1E( EM HXHHFF XQ1FD.8 0063670 22773002101431030351 30300426020035160423 60103010100606141002 10673401305711050506 R XBHLYCC(XXDVB 2NDS HXHHFFLHBH 1AX.IEEF 0063674 30014225060340250304 30102200177701003310 05463023342602002357 60102055570034140200 XA7UFC5UCDXHR D A OHE-XSIVB S. HP . 1LB 0063700 36621466603014303401 20004011340240021153 05023602400204201745 06161645100644013602 3 L XLX1AP 511B5B1\$EB3B5BDPQ+FNN+HF9A3B 0063704 40020471174506671645 45013602360103570100 32610100336330251703 54003374140334015001 5BD G+F N++A3B3AC.A Z A O XUGC= O LCIA/A 0063710 33735401001037010672 02003616301312771014 16030200364516016010 30112200377734651401 0 =A H4AF 8 3NXKJ HLNCB 3+NA HXIR 4 1 LA 0063714 60103014325532563265 06023565010033630100 34315025000110711104 04715025000112772300 HXLZ Z,Z FBZ A O A 1Y/U AH IDD /U AJ S 0063720 04005425000150250002 12775425000214015425 00040351140134530200 24021603603036343044 D =U A/U BJ =U BLA=U DC(LAISB TBNC X31X9 0063724 05063054342602001461 03042000400035340200 20531603623016026240 01001102300110143102 EFX=1VB L CDP 5 21B PINC XNB 5A IBXAHLYB 0063730 16010100351514076001 14003403300103051602-35021063350110143102 60103014107134053010 NAA 2MLG AL 1CXACENB2BH 2AHLYB HXLH 1EXH 0063734 04543330051530113331 05123012333205073013 33331377050301003511 30141277044334033404 D=OXEMXIOYEJXJOZEGXKOOK ECA 21XLJ DB1C1D 0063740 30011014310216013103 60103010333005143011 33310511301233320506 30133333050301003511 XAHLYBNAYC HXHOXELX10YEIXJOZEFXKOOECA 21 0063744 37030552300401003525 01003615301117011207 10113453207744443512 30122200070035533012 4CE1XDA 2UA 3MXIGAJGHI1\$P 992JXJR G 2\$XJ 0063750 12071003355330131071 17333553035101003644 34001066350014046010 30131014311431006010 JGHC2\$XKH @02\$C(A 391 H 2 LD HXKHLYLY H 0063754 03630100366114003403 20000007340120004011 34020200377204371753 04371702047116220733 C A 3 L 1CP G1AP 511BB 4 D405D4UBD NRGO 0063760 17120627360202003772 04141745077217050405 17030467170205044402 01003661360202003772 0JFW3BB 4 DLO+G GEDEGCD OBED9BA 3 3BB 4 0063764 11550474110604034002 03043602020037721155 04741102045511050453 11010565360202003772 I D IFDC58CD388 4 I D IBD IED#IAE 388 4 0063770 11530573360202003772 11530466035010710303 40011277440201003771 30031101340304673601 ISE 3BB 4 ISD C/H CC5AJ 9BA 4 XCIAICD 3A 0063774 23000065040340010557 44021401010036610000 34241700107300000366 01003231140004052035 S DC5AE.98LAA 3 1TO H C A ZYL DEP2 0064000 24170200047602001365 02000513570011630200 13445064000134065064 00023407406410710503 TOB D B K B EK. I B K9/ A1F/ B1G5 H EC 0064004 02002613506400043432 02002716160260201601 60255064000334524064 10710504020012330303 8 VK/ D1ZB WNNB PNA U/ C115 H EDB JOCC 0064010 02001635200040004564 20001162041202001344 04030100111030063464 01001112307560500200 B N2P 5 + P I DJB K9DCA IHXFL A IJX /B 0064014 26736335677614505500 12030200275505663075 60501400345034513053 10063155100631546250 V 2 L/ JCB W E X /L 1/1(X\$HFY HFY= / 0064020 14440200033601000114 01001232200053053463 50640002220007770510 02000566147602000336 L9B C3A ALA JZP \$E1 / BR G EHB E L B C3 0064024 01001225345410023154 10032177633206625064 00021066345302001503 02000513200053055400 A JU1=HBY=HCQ ZF / BH 1\$B MCB EKP \$E= 0064030 01013463020015462000 53053463020014350200 16212000000004030200 05663005341130062200 AA1 B M-P \$E1 B L2B NQP 0064034 37773412300734131443 02000336363130331014 31341603622501001232 14015400131101001343 4 IJXG1KL8B C33YXOHLYINC UA JZLA= KIA KB 0064040 30641605340653001423 04654064127734054306 22004077540013110357 01001364200067763464 X NEIF\$ LSD 5 J 1E8FR 5 - KIC.A K P 0064044 34024064100607241014 12773405036350000515 31056010301410031612 60103010045132020604 1B5 HFGTHLJ 1EC / ENYE HXLHCNJ HXHD(ZBFD 0064050 35023064340114053564 23001422054530013464 40641277340501001364 01001434306323300000 2BX 1ALEZ S LRE+XAL 5 J 1EA K A L1X SX 0064054 02000563077036074063 10060605107134061400 34072000050235633762 05550352366230664463 B E G 3G5 HFFEH 1FL 1GP EB2 4 E C13 X 9 0064060 50001520346330540516 30035464000205055464 00035464000401001502 14003462340336631601 / MP1 X=ENXC= BEE= C= DA MBL 1 1C3 NA 0064064 54001520140034660200 26736135151737540503 30530504305234031410 35661450550015200200 = MPL 1 B V 2M04=ECX\$EDX}1CLH2 L/ MPB 0064070 27553066107105033054 05520100146201001545 50000106170134033207 34363262061730053411 W X H ECX#EJA L A M+/ AF0A1CZG13Z FOXE1I 0064074 30063412140034133414 14550200033630140503 30363462300734013062 34023001330305043401 XF1JL 1K1LL B C3XLECX31 XG1AX 1BXA0CED1A 0064100 30140302360144632000 05023563370205630100 15450100162002002716 16016173530720005305 XLCB3A9 P EB2 4BE A M+A NPB WNNA \$GP \$E 0064104 02003003036401001634 20005305346314013462 30251071346602002673 60431443340102002421 B XCC A NIP SEL LAL XUH 1 B V BLBIAB TO 0064110 30101014311104212377 77775400241054002330 10632300210054002407 54002327020022570303 XHHLYIDQS - TH- SXH S Q = TG- SWB K.CC 0064114 02001764500013110403 02000566020020315064 00033452200053050200 20030200257301001634 B Q / KIDCB E B PY/ CIJP \$EB PCB U A NI 0064120 50002012323206101401 54001757203524170200 04762000627402002003 02002573307763701756 / PJZZFHLA= 0.PZTOB D P B PCB U X 0,

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0064124 14260200033601001225 20010000000000000000 01001763020022300773 34363266060314003466 LVB C3A JUPA A O B RXG 13Z FCL 1 0064130 02002137036302003043 01002002346330520473 02002673200020113232 06633004540020250200 B Q4C B X8A PB1 X1D B V P PIZZF XD= PUB 0064134 32440200357020002024 34040352010020303030 11010573200053053463 30623402406304175063 Z9B 2 P PT1DC)A PXXX1AE P \$E1 X 1B5 DD/ 0064140 00011071042550630001 10025163000116023563 37020447036050630001 04434463140154630001 AH DU/ AHB( ANB2 4BD+C / ADB9 LA= A 0064144 20003221030556630001 20003225540021205063 00011002516300013163 17035400212214043401 P ZQCE, AP ZU= QP/ AHB( AY DC= QRLD1A 0064150 14000303500121175401 21213701067250630001 10025163000116023563 01002057010021365000 L CC/AQD=AQQ4AF / AHB( ANB2 A P.A Q3/ 0064154 20123232061102002536 60103013107112371003 03021440316634533053 32360754045334531402 PJZZFIB U3 HXKH J4HCCBL5Y 1\$X\$Z3G=D\$1\$LB 0064160 34003036107105113031 10130615303011010503 14073400303610023136 31003563217715030610 1 X3H FIXYHKFMXXIAECLG1 X3HBY3Y 2 Q MCFH 0064164 36620200223034360641 56003444010021361400 44635463000115000100 22273063020005600765 3 B RX13F6, 19A Q3L 9 = AM A RHX B E G 0064170 40630504506300010464 34071006060510713406 14003407406304545063 00010351010022561400 5 ED/ AD 1GHFFEH 1FL 1G5 D=/ AC(A R)L 0064174 34413006342230073423 02002230076504673436 02002335046450005306 34660200213720005306 16XF1RXG1SB RXG D 13B S2D / \$F1 B Q4P \$F 0064200 34011400346630410303 03434001040514053501 36660372360102002421 30101014311121002327 1AL 1 X6CCC85ADELEZA3 C 3AB TQXHHLYIQ SW 0064204 06601404036201002334 50005306540024133454 10023554304154005306 20005301315434012177 F LDC A S1/ \$F= TK1=HB2=X6= \$FP \$AY=1AQ 0064210 76643402217724760604 20005301340240010413 15053501330205725054 53063441140001002334 IBQ T FDP \$A185ADKMEZAOBE /=\$F16L A \$1 0064214 36010200242130101014 31112100240707612000 24125400530615000357 01002420140034103411 3AB TQXHHLYIQ TGG P TJ= \$FM C.A TPL 1H11 0064220 40011071174506671612 07653411400112771745 06601612075634023011 10023111100131023411 5AH O+F NJG 115AJ O+F NJG,1BXIHBY1HAYBII 0064224 50010001107117450642 16120761340230111002 31111001310234115001 00011277174506611612 /A AH 0+F7NJG 1BX[HBY[HAYB1]/A AJ 0+F NJ 0064230 07433402301110023111 10013102341110633410 50010002107117450641 16120757340230101014 G81BX[HBY[HAYB1IH 1H/A BH 0+F6N]G.1BXHHL 0064234 31111010311010143111 10013102341110633410 01002420010025353055 10061605601030111006 YIHHYHHLYIHAYB1IH 1HA TPA UZX HENE HX1HF 0064240 31551006311231320363 01002552140034664063 05035063000134231006 06651071342214003423 Y HFYJYZC A U)L 1 5 EC/ A1SHFF H 1RL 1S 0064244 03600100257230251014 13773166100634253033 10143134160262201601 62250360010026120200 C A U XUHLK Y HF1UXOHLY1NB PNA UC A VJB 0064250 05133014100316203272 54002640106323002100 54002637140034033402 34003006107521007777 EKXLHCNPZ = V5H S Q = V4L 1C1B1 XFH Q 0064254 60103006120334015001 00101006061210713406 50000106350310633502 36000353107134073503 HXFJC1A/A HHFFJH 1F/ AF2CH 2B3 C\$H 1GZC 0064260 10633502360001002612 01002672305510061611 60103013100631551003 31521003311434611063 H 283 A VJA V X HFN1 HXKHFY HCY)HCYLI H 0064264 34601014316103550100 27153055100616036010 30321003100631111006 31551006311234341063 1 HLY C A WMX HENC HXZHCHEY1HEY HEYJ11H 0064270 34331014313403543052 12033401305210752100 27466010500100103452 01002754305510061607 10HLY1C=X)JC1AX)H Q W- H/A H1)A W=X HFNG 0064274 60103011100631551006 31125400274710635500 27465000300154002756 03400362010030023403 HX[HFY HFY]= W+H W-/ XA= W+C5C A XB1C 0064300 16025400301716125400 30223057040417016173 00021427617000143006 54030011300754030012 NB= XONJ= XRX-DDGA BLW LXF=C [XG=C J 0064304 14005403000144033003 02000563010030020100 30421400340201003150 14103202340330363266 L =C A9CXCB E A XBA X7L 1BA Y/LHZB1CX3Z 0064310 32030602350330661002 31663163160254003073 02002673310263033072 30023103171005363402 ZCFBZCX HBY Y NB= X B V YB CX XBYCGHE318 0064314 30033566305254640002 02002755052030363266 05130200255330311013 07063036107105031520 XC2 X) - BB W EPX3Z EKB U\$XYHKGFX3H ECMP 0064320 35310100304230363266 04050100305030033502 02002553376204163036 10023136160235634063 2YA X7X32 DEA X/XC2BB U\$4 DNX3HBY3NB2 5 0064324 34360464506300013436 04600353406331360407 30361071050630311013 07031520353130020505 13D / AI3D C\$5 Y3DGX3H EFXYHKGCMPZYXBEE 0064330 30525364000305173052 54640002140034661466 60101414341030601014 31613102621001003042 X)\$ CEOX)\* BL 1 L HLLIHX HLY YB HA X7 0064334 46460517064646554646 05172246465514103435 30551006160460053007 17015400201214003457 -- EDF-- -- EDR-- LH12X HFND EXGOA- PJL 1. 0064340 30520403010033252000 17563464305434325400 17620200271616026020 16016025160460103010 XIDCA OUP 0,1 X"IZ= 0 B WNNB PNA UND HXH 0064344 10200724101107243031 10150617142502000336 30113452540017610407 14003466140134620100 HPGTHIGTXYHMFOLUB C3XI1) = 0 DGL 1 LA1 A 0064350 17250100174630531207 17020772035002002673 61356776145055003330 34011400540100010200 QUA Q-X\$JGOBG C/B V 2 L/ OXIAL =A AB 0064354 27550562340220006776 34643403506400045200 20120706560011021412 55003367140535643602 W E 1BP 1 1C/ D) PJGF, IBLJ 0 LE2 3B 0064360 50640001056050647772 43031277040520002400 54001400306454001423 30025400116301001102 / AE / BCJ DEP T = L X = LSXB= [ A IB 0064364 35241700323100000326 01003236020052620373 01003243020041100773 30241244050301003362 2TO ZY CVA Z3B ) C A Z8B 6HG XTJ9ECA O 0064370 30241067121735571201 34003057107612073100 35373024101706125037 00011067111004030100 XTH JO2.JA1 X.H JGY 24XTH0FJ/4 AH IHDCA 0064374 33620100467310200603 01004733100406130200 36633024220003003440 56003404010033650336 0 A - HPFCA \*OHDFKB 3 XTR C 15, 1DA 0 C3 0064400 30050505505150250200 37740100342230571201 54003357020042070605 02004437010034445600 XEEE/(/UB 4 A 1RX.JA= 0.B 7GFEB 94A 19. 0064404 33571472020037740447 20000001051003660200 36630436020042070754 30403551044217740712 O.L B 4 D\*P AEHC B 3 D3R 7GG-X52(D70 GJ 0064410 04041702050715011602 10063440140005572177 76633401062150515025 10060715107102003774 DDDBEGMANBHF15L E.Q 1AFQ/(/UHFGMH B 4 0064414 05433005043302004066 30043457010032431400 34403001056314370200 37740460010033621400 E8XEDOB 5 XD1.A Z8L 15XAE L4B 4 D A O L 0064420 04545700344430050422 37030520370203523057 12171010354030241207 31401640342450005103 D=. 19XEDR4CEP4BC)X.JOHHZ5XTJGY5N51T/ (C 0064424 02004320143754003525 02003774035414003445 14010100350430450474 14023401306010143361 B 8PL4= 2UB 4 C=L 1+LAA 2DX+D LB1AX HLD 0064430 31436301526114023543 17050755200000010404 30431110054730055400 35253052044554640002 YB A) LB2BDEG P ADDXBIHE\*XE 2UX)D+ B 0064434 02002755050434450100 35041400344330050511 30523454020027555400 35253054345202002673 B W EDI+A 2DL 18XEEIX)1=B W = 2UX=1]B V 0064440 01003501010035670200 35052000000034102000 00003411200000003412 20001000341330023414 A ZAA 2 B ZEP LHP LIP LJP H IKXBIL 0064444 20003611170162101701 63703655305710733466 32360524406331360411 02002553303610710514 P 310A HOA 3 XoH 1 Z3ET5 Y3DIB U\$X3H EL 0064450 30311013071115203531 14003466302422000377 34243052546400020100 35670000000000000 XYHKGIMPZYL 1 XTR C 1TX)= BA 2 0064454 00000100366230601014 33613143344713773345 10063446500051040200 37740360375714403424 A 3 X HLO Y810K O+HF1-/ (DB 4 C 4.L517 0064460 30571217101035240100 37113605140034023445 02004207072640371067 11100554365740372200 X.JUHH2TA 413EL 181+8 7GGV54H IHE=3.54R 0064464 03770200377405621404 03453657305104551107 04533757010037022377 77760565345730361071 С В 4 Е LDC+3.X(D IGD\$4.А 4ВS — Е 1.ХЗН

0064470 05023436035514003440 14000510360336023645 11170503020035050100 37733401504540461014 EB13C L 15L EH3C3B3+[OECB ZEA 4 1A/+5-HL 0064474 34401063310734540140 40074054121710163301 10044454034230011073 34004054131733004454 15H YG1=A55G5=JDHNOAHD9=C7XAH 1 5=KOO 9= 0064500 30011010340050540001 22000377330054540001 03554054220074003301 44540371000007003101 XAHH1 /= AR C 0 == AC 5=R 0A9=C G YA 0064504 00020702310300040704 31050006070631070010 07103111010040653002 32033402305034223067 BGBYC DGDYE FGFYG HGHYIA 5 XBZC1BX/IRX 0064510 34233042336304643042 34635063000134360356 01004107200052613407 14023443540035253061 15X70 D X71 / A13C+A 6GP ) 1GLB18- 2UX 0064514 16025400361210633160 23002000540036111400 34573440344534443405 34023437340354003574 NB= 3JH Y S P = 3[L 1.151+191E1B141C= 2 0064520 30725400360502002716 16066010301010741201 23001400540045315400 34040200440007073066 X = 3EB WNNF HXHH JAS L = +Y= 1DB 9 GGX 0064524 10043457107531663537 01004107120734443657 40371277345101004206 30571021076512073444 HD1.H Y 24A 6GJG193.54J 1(A 7FX.HQG JG19 0064530 17050516344414073557 10733336051137570200 44000754140134570302 36573637403710710544 QEEN19LG2.H 03EI4.B 9 G=LA1.CB3.3454H E9 0064534 40370410171706211617 23400000010042053400 36441105041236003637 40370471303732003437 54DHQOFQNOS5 A 7E1 391EDJ3 3454D X4Z 14 0064540 14000361305713171611 34571607340430651126 04463063344230223450 30233467140034030100 L C X.KONII.NGIDX IVD-X 17XR1/XS1 L 1CA 0064544 42462000431234455700 37620100431734013045 54004313560037623046 10143445106334513060 7-P 8J1+. 4 A 801AX+= 8K, 4 X-HL1+H 1(X 0064550 10143361314332471006 32510505300102003774 03421402345330511014 31476153527320005273 HLO Y8Z\*HFZ(EEXAB 4 C7LB16X(HLY\* \$) P ) 0064554 34073001020037743051 10143147635352732000 52613407035115010100 43773062047330370505 1GXAB 4 X(HLY+ \$) P ) 1GC(HAA 8 X D X4EE 0064560 30631601343703160200 25533762046140630404 30361002313616023563 16013437506300013436 X NA14CNB U\$4 D 5 DDX3HBY3NB2 NA14/ A13 0064564 34570456406305420353 01004436100107741301 34653657506547703454 04351202040530031075 1.D.5 E7C\$A 93HAG KAI 3./ + 1=D2JBDEXCH 0064570 31440525300434063003 34533054120104200200 42072340000004211001 07413665373737573065 Y9EUXD1FXC1\$X+JADPB 7GS5 DQHAG63 444.X 0064574 10763451010033525065 47675400451201004511 56003357305412020565 30651126046214370200 H 1(A 0)/ \* - +JA +1, 0.X-JBE X IVD L4B 0064600 37740503010034261400 34243703360530650546 01003362500051030200 43200322370504043653 4 ECA 1VL 1T4C3EX E-A 0 / (CB 8PCR4EDD31 0064604 01004665560036055000 51030200432014020306 37021404540035741401 10065500357414004463 A - , 3E/ (CB 8PLBCF4BLD= 2 LAHF 2 L 9 0064610 34363457342401003243 30241302110234241405 540035740343.50370004 04030100450050370001 131.1TA Z8XTKBIBITLE= 2 C8/4 DDCA + /4 A 0064614 54003577503700025400 36023702200001065400 35743057107316013336 05043062170207071412 = 2 /4 B= 3B4BP AF= 2 X.H NAO3EDX OBGGLJ 0064620 10101640342401003243 01004573300505105037 00011067111004110100 33653006340430533403 HHN51TA Z8A + XEEH/4 AH IHDIA O XF1DX\$1C 0064624 01003424560035252000 10045400360502003712 03443024134111413424 56003404035030063404 A 1T, 2UP HD= 3EB 4JC9XTK6161T, 1DC/XF1D 0064630 36653657020042070703 01003367100106030100 44363757010034560200 42070730365740375400 3 3.8 7GGCA 0 HAFCA 934.A 1,8 7GGX3.54= 0064634 35770200420707214037 54003602140034022000 01165400357436571217 10101660342401003243 2 B 7GGQ54= 3BL 18P AN= 2 3. JOHHN 1TA ZB 0064640 01004573451300004541 00014541000145460001 45630003460200014612 00024654000233520000 A + +K +6 A+6 A+- A+ C-B A-J B-- BO) 0064644 47040002335200004713 00013352000033520000 47330002007201010102 01030104010501060107 \*D 80) \*K AO) 0) \*O B AAABACADAEAFAG 0064650 01100111011201130114 01150116011701200121 01220123012401250126 01270130013101320060 AHAIAJAKALAMANADAPAGARASATAUAVAWAXAYAZ 0064654 00610062006300640065 00660067007000710053 00550052005700500051 00440075004000540056 0064660 00430133013500450042 01370041004600470077 00740076010001340136 00734000014101420143 8A0A2 + 7A4 6 - \* A A1A3 5 A6A7A8 0064664 01440145014601470150 01510152015301540155 01560157016001610162 01630164016501660167 A9A+A-A+A/A(A)A\$A-A A,A.A A A A A A A 0064670 01700171017201730174 01750176017700000001 00020003000400050006 00070010001100120013 A A A A A A A A A B C D E F G H I J K 0064674 00140015001600170020 00210022002300240025 00260027003000310032 00330034003500360037 L M N O P Q R S T U V W X Y Z O 1 2 3 4 0064700 40000100013640000072 40004000014000150012 00450053006300720072 00740204004577760045 5 A A35 5 5 A5 M J + \$ 0064704 00530063004500720074 02040072777601005261 14426010301210210771 20005237340640061006 \$ + BD A ) L7 HXJHQG P )41F5FHF 0064710 07631014210050253407 36064006440736060364 34152400107300000354 01002106140203051400 G HLQ /U1G3F5F9G3FC 1HT H C=A QFLBCEL 0064714 03033422140434501400 02001444140534020200 16001610630221061715 16046373002017076250 CCIRLDI/L B L9LEIBB N NH BQFOMND POG / 0064720 02001404145060101432 55001604230011400504 20776634037002001565 30140417500016042300 B LDL/ HLZ NDS 15EDP LC B M XLDU/ NDS 0064724 11540507140005101400 04065700116130670405 00001407020015255400 15721466617021140200 [=EGL EHL DF. I X DE LGB MU= M L QLB 0064730 16001604602030201011 07311004062730211240 04240200163704210200 16006050162160623050 N ND PXPHIGYHDFWXQJ5DTB N4DQB N /NQ X/ 0064734 05120200135030510431 12771636340117510703 01001133305510063101 60573057101406253024 EJB K/X(DYJ N31A0(GCA TOX HFYA .X.HLFUXT 0064740 12020422307135511067 05130200160062500302 17650200160016046220 03461403010011103051 JBDRX 2(H EKB N /CBO B N ND PC-LCA IHX( 0064744 12773451030317050566 30571220040330640462 14666062365002001600 62503057107002001525 J 1(CCOEE X.JPDCX D L. 3/B N /X.H B MU 0064750 30571217040710065100 21431071020015251410 02001525020016001602 61702137160261730025 X.JODGHF ( Q8H B MULHB MUB N NB Q4NB U 0064754 16116262010013473062 04621400340130640503 37013464045310071622 60031652601030103362 NI A K\*X D L 1AX EC4A1 D\$HGNR CN) HXHO 0064760 05653011336305623005 04621400035714013467 01001403145760103010 33740467307416226010 E XIO E XED L C.LA1 A LCL. HXHO D X NR H 0064764 30120562306012771740 06562000007760103010 10640351171606761465 02000336301105713460 XJE X J 05F.P HXHH CLONF L B C3XIE 1 0064770 57001452010014433414 10632300000034131400 04672000145434743076 60623062057414666062 . LIA L81LH S IKL D P L=1 X X E L 0064774 30776262500016041601 34113060341201001433 01001477037540010473 34023601400144023601 X / NDNALIX IJA LOA L C 5AD 1B3A5A9B3A 0065000 03703005233615000200 04761413341114120200 03360100152434053076 60103010057403561565 C XES3M B D LKIILJB C3A MT1EX HXHE C+M 0065004 14133411140402000336 03473402140045023601 40010572010015513401 03725400156714010302 LKIILDB C3C+1BL +B3A5AE A MCIAC = M LACB 0065010 20210200161501001564 20000000047320000000 04610200207103560100 15773055100621000000 PQB NMA M P D P D B P C+A M X HFQ 0065014 03710000020C15031404 02001525010016142100 00007613540016330200 20020466340620361502 C B MCLDB MUA NLQ K= NUB PBD 1FP3MB 0065020 02000476000056001567 01001636140534020200 16001610610221063020 22007017112076132000 B D , M A N3LE1BB N NH BQFXPR OIP KP 0065024 00606513166317010574 75531400020020361006 06445000210612770403 11020440143134220100 KN DAE \$L B P3HFF9/ QFJ DCIBD5LYIRA 0065030 16260200161550002122 12010457144502001606 56001567010017153407 14300200161574131402 NVB NM/ QRJAD.L+B NF, M A OMIGLXB NM KLB

16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH.

NOS 1.4 STUDY DUMP.

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0065034 73132116661317277553 14000200203610060654 36071101055603042106 12770445010016761406 KQN KOW \$L B P3HFF=3GIAE+CDQFJ D+A N LF 0065040 71132121010017532000 01120200161574131410 71132106036501001766 20000040020016157413 KQQA USP AJB NM KLH KQFC A O P 58 NM K 0065044 03701056540015740100 20011401340065131776 16010674370006727553 03617053342470535400 C H,= M A PALA1 KO NAF 4 F \$C \$1T \$= 0065050 15757553302410060603 02001754302422000000 05223024010020355400 20321500340114120200 M \$XTHFFCB D=XTR ERXTA P2= PZM 1ALJB 0065054 16157413140666132015 17010574755337010564 14300200160601002062 36261207342650001575 NM KLF KPMDAE \$4AE LXB NFA P 3VJG1V/ M 0065060 54262127036622004435 23000001010021001400 02002036036630745400 14551672601030130404 #YQWC R 925 AA Q L B P3C X = L N HXKDD 0065064 21777645070520361501 02000476143034472000 02005400110020001444 54001101140260103613 Q +GEP3MAB D LX1\*P B = I P L9= IALB H3K 0065070 55001353305510061603 60103012540011413214 23777777540011443014 54001155305222007300 K\$X HENC HXJ= 16ZLS = 19XL= 1 X)R 0065074 34461065237777775500 12071442601030121201 35463052123734041113 05065000255054001553 1-H S JGL7 HXJJA2-X)J41DIKEF/ U/= M& 0065100 03163004171306052377 77772100010055001544 20002665020015523052 10140706200002005400 CNXDOKFES Q A M9P V B MIXIHLGFP B = 0065104 15330305500025515400 15175600142415053504 06731605550014263054 13013403107304030200 MOCE/ U(= MO, LTME2DF NE LVX=KA1CH DCB 0065110 11673046106616121014 31551006605016016010 30145400160430522200 03000503010024251407 I X-H NJHLY HF /NA HXL= NDXJR C ECA TULG 0065114 34015001255354011502 37010672200075535400 15053053120710115400 16171400540015741404 1A/AU\$=AMB4AF P \$= MEX\$JGH1= NOL = M LD 0065120 54001575500001121210 04152000141454002047 20001403540020032000 01405400165514133411 = M / AJJHDMP LL= P\*P LC= PCP A5= N LK1I 0065124 14120200033664132535 30521014070414025500 17403052101207271520 55001212140455001673 LJB C3 KU2X)HLGDLB D5X)HJGWMP JJLD N 0065130 50002552540017652000 14045400172020005000 54001742560017240200 25700200262701002517 / U)= 0 P LD= OPP / = O7, OTB U B VHA UO 0065134 20000302340150012775 54011634370106722000 33000200155220003401 54001501200027260200 P CB1A/AW =AN14AF P O B M)P 1A= MAP HVB 0065140 15003054340230030430 36541104050334540373 20001021325454002471 30031021066330543302 M X=1BXCDX3=IDEC1=C P HQZ== T XCHQF X=0B 0065144 04101400346220361506 02000476031014133411 14120200033664132535 30545500171550000112 DHL 1 P3MFB D CHLK11LJB C3 KUZX- UM/ AJ 0065150 12100405200017075400 14311400540021163467 01001173140134621413 34111404020003362036 JHDEP DG= LYL = QN1 A I LAI LKIILDB C3P3 0065154 15060200047603750305 03620100150234227553 14110200161503702000 01005500162501002567 MFB D C CEC A MBIR SLIB NNC P A NUA U 0065160 20777677550016252000 04140200161505121412 02001615050674137053 75531006065014023462 P NUP DLB NMEJLJB NMEF K \$ \$HFF/LB1 0065164 14133411140402000336 20361506020004760100 26263055100616266010 30110470304610663311 LK11LDB C3P3MFB D A VVX HENV HXID X-H 01 0065170 05641402354630551006 31141604606230622200 73772300040034623055 10063114160462620341 E LBZ-X HEYLND X R S D 1 X HEYLND C6 0065174 15171535162016531656 16621723172517271731 17511761176317742005 20132015201720222046 MDM2NPN\$N,N DSQUQWQYQQQ Q O PEPKPMPQPRP-0065200 20502054231523532360 25052512253726062607 26102615000011140200 11151765112003041177 P/P=SMS\$S UEUJU4VFVGVHVM ILB IMO IPCDI 0065204 20301212126012130524 12151637126202001277 02001560020016101751 16111403162420442531 PXJJJ JKETJMN4J B J B M B NHU(NILCNTP9UY 0065210 20270000010027631277 34001003330013702100 33330366560015670100 16363020220070177613 PW AWJIHCOKQ OOC, MANSKPR OK 0065214 02002044771313000200 17303424302612070456 11010456143102001751 03421400020020210100 B P9 KK B OXITXVJGD, IAD, LYB DICTL B PQA 0065220 16675000156705701410 34070200163705633707 05730354010017043052 22000100047230361277 N / M E LHIGB N4E 4GE C=A ODX)R A D X3J 0065224 04671100046556001157 03627413705365131606 75530100172765131722 01001606741301001736 D I D , I.C K \$ KNF \$A OW KORA NF KA 03 0065230 77131400302412010471 65131735036301001750 34227553150017010576 54001567771317000364 KL XTJAD KOZC A D/IR \$M DAE - M KO C 0065234 01001764302434261203 34243026120410053524 30261220107535240361 10011070311603051006 A O XT1VJC1TXVJDHE2TXVJPH 2TC HAH YNCEHF 0065240 07721071321602001615 36074007056701002020 34162000202734070367 000000000000000000 G H ZNB NM3G5GE A PPINP PWIGC 0065244 00007713120002001730 34261207010020431477 65132035170105740100 16063701050337000426 KJ B DX1VJGA P8L KP2OAE A NF4AEC4 DV 0065250 74137053755334242200 10003372056401002070 64131606771313003372 54002065147734006513 K \$ \$1TR H O E A P KNF KK O = P L 1 K 0065254 20601430020016060100 21107713005714000200 20713024342377130056 14000200207102002044 P LXB NFA QH K .L B P XT15 K .L B P B P9 0065260 10143324220720012300 00010351164316461722 17231724172617311735 17401745175317612035 HLOTRGPAS ACCINEN-OROSOTOVOYO2050+050 P2 0065264 20462060206120622072 20742103211221210000 36150700214200000031 01002147200022710200 P-P P P P QCQJQQ 3MG Q7 YA Q+P R B 0065270 15522000227302001500 20002166540015250361 50001167041130776370 11671476020003360100 MJP R B M P Q = MUC / I DIX I L B C3A 0065274 22575000162605145000 11760532302454002142 14403422140402001525 30461015031730461066 R./ NVEL/ I EZXT= Q7L51RLDB MUX-HMCDX-H 0065300 16123401101431551006 60101400341430551006 31016210020023252000 01066010500016043414 NJIAHLY HE HL ILX HEYA HB SUP AF H/ NDIL 0065304 30461066161310143155 10066210141334111404 02000336144402000336 01000114225700002206 X-H NKHLY HF HLKIILDB C3L9B C3A ALR. RF 0065310 24002207302622121427 22141403222106170000 10210615305510061626 60103012337505063412 T RGXVRJLWRLLCRQFO HQFMX HENV HXJO EFIJ 0065314 30551006162662100100 23243046102006551431 02001525036700000000 36151000657500000143 X HENV HA STX-HPF LYB MUC AB 0065320 01006602500015255400 66762000661554001525 03653021101206162077 75773521500021372200 A B/ MU= P H= MUC XQHJFNP 2Q/ Q4R 0065324 07742300011004041410 01001106200075400200 15000200726550001452 12770507020016001607 G S AHDDLHA IFP 5B M B / LIJ EGB N NG 0065330 60103012344120001401 54001161500066762300 13350510306054006676 30571220050434600100 HXJ16P LA= I / S K2EHX = X.JPED1 A 0065334 66753062540070223066 54007026020016001601 60031602600116166062 14003460306404253372 X = RX = VB N NA CNB ANN L 1 X DUO 0065340 34111437020003363011 05165600145230641007 34741674601030623310 05043063331104041403 11L4B C3XIEN, LDX HG1 N HX OHEDX OIDDLC 0065344 01001110307416206010 30133455301434563201 06373006100631551006 31071601601030131071 A IHX NP HXK1 XL1.ZAF4XFHFY HFYGNA HXKH 0065350 31071604100631061014 10713256061030041014 33051701107132560707 30511103040414110100 YGNDHFYFHLH ZAFHXDHLOEDAH ZAGGX(ICDDLIA 0065354 11060200704420007021 02007135200070250404 02007214055630372177 67760603010066750200 IFB 9P QB 2P UDDB LE,X4Q FCA B 0065360 11670100704330043202 10143105320334111063 34103052107312033137 34131400341230400411 [ A BXDZBHLYEZCIIH 1HX]H JCY41KL 1JX5DI 0065364 34002000060035131063 35123700057130521073 12033401043030511107 05251466617027653001 L P F 2KH 2J4 E X1H JCIADXX(IGEUL W XA 0065370 12020412305222000100 54002765301210143313 32015400276610635500 27650100704301007134 JBDJXJR A = W XJHLOKZA= W H W A BA 1 0065374 04753457405704721021 34011056100123000303 54007177400113774401 50570001101434141377 D 1.5.D HQIAHOHAS CC= 5AK 9A/. AHLILK

0065400 10033415130741140605 10061340315510141014 51140001311503032377 77775401000110634501 HC1MKG6LFEHFK5Y HLHL4L AYMCCS =A AH +A 0065404 14023557010071401401 01007213340030061006 31551006310731006062 30623163316405613065 LB2.A 5LAA K1 XFHFY HFYGY X Y Y E X 0065410 12373465320210143166 32030751306532041014 31663205064314000342 14450200752530211201 J41 ZBHLY ZCG(X ZDHLY ZEFBL C7L+B UXQJA 0065414 05041402020075250200 16700100726430521013 06143041110105113051 11100406110204041412 EDLBB UB N A X)HKFLX61AEIX(IHDF1BDDLJ 0065420 01001106500066762300 13350406500015670550 01007445305710140670 02007455500021162200 A IF/ S K2DF/ M E/A +X.HLF B / QNR 0065424 42375400211650002117 22006740540021173021 12011005340130521013 07073001052320003400 74= QN/ QOR 5= QOXQJAHELAX)HKGGXAESP 1 0065430 34010317300111401004 55002117303612070407 17010402170316031010 34013001550021163042 1ACOXAI5HD QDX3JGDGDADBOCNCHHLAXA 0065434 12373402100134033021 12010405300231031076 34033042124010723401 30033201550021173021 J41BHA1CXQJADEXBYCH 1CX7J5H 1AXCZA 0065440 12400522200040005400 21203036107111050512 30511711070730432200 01001004550021201400 J5ERP 5 = QPX3H IEEJX(DIGGX8R A HD 0065444 54001567020017160100 72640100745430521065 04032000000721007504 34014001530020640462 = M B ONA A =X1H DCP GQ D1A5A3 P D 0065450 14003402400154022064 36013602110705710350 36261207342650001575 54262127140454262127 L 185A=BP 3A3BIGE C/3VJG1V/ M =VQMLD=VQM 0065454 37260671140734263001 44020100752403752000 20263402360240020465 33010573036472700671 4VF LG1VXA9BA TC P PV1B3B5BD OAE C F 0065460 72730555727604527300 04507526340100000000 36151400214200000335 01002147010030502000 E D) D/ VIA 3ML Q7 C2A Q+A X/P 0065464 00060200161502001767 30245400214702002172 02002437037001002171 14003422344554002364 FB NMB D XT= Q+B Q B T4C A Q L 1R1+= S 0065470 20005005651322066713 22027113277234010512 01002214142202001503 02002036140134015000 P /E KRF KRB KW 1AEJA RLLRB MCB P3LA1A/ 0065474 22013201346134570415 17023402100131021002 31021014340010103202 31001067343712030305 RAZAL 1.DMOB18HAYBHBYBHL1 HHZBY H 14JCCE 0065500 11010502376137613022 11220421020026620200 14040200210110110611 56002364144202001615 [AEB4 4 XRIRDQB V B LDB QAHIFI, S L7B NH 0065504 74130100220004221004 06161403344514175400 21411400342334373461 14013422010023671433 KA R DRHDFNLC1+LD= Q6L 15141 LAIRA S LO 0065510 34223024124003073157 12030404110304021440 34230315124004133061 12020410376137370305 1RXTJ5CGY.JCDDICDBL51SCMJ5DKX JBDH4 44CE 0065514 31373261040236370307 12400405302205131433 34223022050702002063 0304000000000003022 Y4Z DB34CGJ5DEXREKLO1RXREGB P CD 0065520 04041402020017542000 23740200272030245400 21420100217130133265 10143114326617010603 DDLBB Q=P S B WPXT\* Q7A Q XKZ HLYLZ DAFC 0065524 21002414010024162000 24206010301312373413 10143314217753470752 14110100110601002436 Q TLA TNP TP HXKJ41KHLOLQ \$+GILIA IFA T3 0065530 30371600340603060200 24173206060235063065 34043066340514003407 30063566106335651014 X4N 1FCFB TOZFFB2FX 1DX 1EL 1GXF2 H 2 HL 0065534 33662177531207123407 21002471346610633465 30063207340630451700 06350200241721775271 0 Q \$JGJIGQ T 1 H 1 XFZGIFX+0 F2B T0Q J 0065540 07252177526610565500 26453034127731223167 05070200176702002604 01002436020026040100 GUQ ) H. V+X1J YRY EGB D B VDA T3B VDA J065544 11041400344503103037 05063406300434653005 34660200260403112141 17000606140434541401 IDL 1+CHX4EF1FXD1 XE1 B VDC1Q60 FFLD1-LA 0065550 01001106304504153021 22005777230020003421 30451601100753002141 10161601010001000 A IFX+DMXQR . S P 1QX+NAHG\$ Q6HNNAA I A 0065554 26033006042530041006 31551006310563062772 30070414300610023106 51002615540026322000 VCXFDUXDHFY HFYE FW XGDLXFHBYF( VM= VZP 0065560 26276307263130341277 31220404142302001525 20002642626214000405 30766247570026453630 VW GVYXIJ YRDDLSB MUP V7 L DEX \*. V+3X 0065564 10633527366001002603 01002661306104743034 10070771506127665400 21445061276754002145 H ZW3 A VCA V X D X1HGG / W = Q9/ W = Q+ 0065570 33271014536127705400 21463330050550002144 33610445142334220342 01002717030712400405 OWHL\$ W = Q-OXEE/ Q90 D+LS1RC7A HOCGJ5DE 0065574 30370403373737613061 04235300220111015400 77720414506127711217 54612766540021411117 X4DC444 X DS\$ RAIA = DL/ N JO = W = Q610 0065600 04021501160234453037 10023137540027710100 27173001341220002663 62100100266660105400 DBMANB1+X4HBY4= W A WUXALJP V HA V H= 0065604 26641063230020005400 26633037100231373401 04101400344514005401 27725400214134013037 V H S P = V X4HBY41ADHL 1+L \*AW = Q61AX4 0065610 54002771030731373261 10023401100135013023 12400404303704031406 35015400276701002666 = W CGY4Z H81AHAZAXSJ5DDX4DCLFZA= W A V 0065614 30611201100203672000 40000200155220003723 02001500051720000170 34015001405354012176 X JAHBC P 5 B MJP 4SB M EUP A 1A/A51-AQ 0065620 37010672200042440200 15520330302112200421 14005400225215025500 22465000403354003176 4AF P 79B MICXXQJPDQL = RIMB R-/ 50= Y 0065624 20777477550022665000 21213401302112010503 01003216300112301130 05065000011212100412 P R / QQIAXQJAECA ZNXAJXIXEF/ AJJHDJ 0065630 03055000011212100515 30211210111005112000 03025400252350004032 54002170305210130733 CE/ AJJHEMXQJHIHEIP CB= US/ 5Z= Q X)HKGO 0065634 30211220050520001072 54002323304111000415 20003024540023333041 11010412200010025400 XQJPEEP H = SSX6I DMP XT= SOX6IADJP HB= 0065640 23430305200001005500 22473037540021513021 22005777342130511107 04111102040314023441 S8CEP A R+X4= Q(XQR . 1QX(IGD)18DCL816 0065644 20000302540023763052 12600507304111030426 11070424030710735500 24411505550026153041 P CB= S X) J EGX6ICDVIGDTCGH TOME VMX6 0065650 17020620305212400505 20003037540027560100 3345560030072000266L 54003043146434015001 OBFPX1J5EEP X4= W.A O+, XGP V = X8L 1A/A 0065654 27635401266137010672 20002667540023773052 10130712302112010407 14055500273114025500 W =AV 4AF P V = S XIHKGJXQJADGLE WYLB 0065660 27343052124005062000 10025400272003052000 30615400271520004034 34011400030514023501 WIX)J5EFP HB= WPCEP X = WMP 511AL CELB2A 0065664 40010433530021372200 07740567360130411103 04031107050440011071 44015000214110673402 5ADO\$ Q4R G E 3AX61CDCIGED5AH 9A/ Q6H 1B 0065670 11170507400110744401 14045500255540011203 55002502500021372200 07741120052754002443 10EG5AH 9ALD U 5AJC UB/ Q4R G IPEH\* TB 0065674 54002510207774775500 37132000500054002551 30020411111704043041 17020604300255002553 = UHP 4KP / = U(X8DIIODDX6D8FDX8 U) 0065700 30411100041330371002 31371601540022012000 03025400225730411702 06343021120104150304 X61 DKX4HBY4NA= RAP CB= R.X60BF1XQJADMCD 0065704 01005500230130411101 05062000302354002721 03152000302354002350 03201433540023612000 A SAX61AEFP XS= WQCMP XS= S/CPLO= S P 0065710 34225400236230521013 03063021120105035400 23173041110004071101 04032000160454002231 1R= S X)HKCFXQJAEC= SOX61 DGIADCP ND= RY 0065714 03320112121004041404 55002202303610711104 05142000112354002341 30211010070550000112 CZAJJHDDLD RBX3H IDELP IS= S6XQHHGE/ AJ 0065720 12100405200022025400 21772000443554002075 30431204030520777477 55002133200000010306 JHDEP RB= Q P 92= P X8JDCEP 0065724 30361377327123001001 54002077200000405400 17710304402454002027 30342200070004045500 X3K Z S HA= P P 5= 0 CD5T= PWXIR G DD 0065730 21540305200003025400 21552000400534621402 34662000040054001450 30511107051430400407 Q=CEP CB= Q P 5E1 LB1 P D = L/XIIGELX50G 0065734 30411104040311060502 36572000367734600100 21475000250654003711 50002507540037120200 X6IDDCIFEB3.P 3 1 A Q\*/ UF= 4I/ UG= 4JB 0065740 24172177406606041401 01001100140034540100 21532154005021601737 23732071252417372637 TOQ 5 FDLAA I L 1+A Q\$Q+ /Q 045 P UT04V4

0065744 14222733223134602231 34642305347320003512 23563513200035250706 35432257354450003577 LRWORY1 RY1 SE1 P 2JS,2KP ZUGF2BR.29/ 2 0065750 77713601213336040410 36121001362221353624 14613626174136272000 00002202220422062274 3AQ03DDH3JHA3RQ23TL 3V063WP 0065754 00004770066450301000 50400634506104005153 04005162020052151200 52231200545602045504 + F /XH /5F1/ D (\$D ( B )HJ )SJ =,BD D 0065760 06240000036203200000 00000010001100200011 02002323025022220260 22220600003300006713 FT C CP H I P IB SSB/RRB RRF O 0065764 22306413220014043401 15006613223065132230 66132230170105706613 22303701661322300561 RX KR LD1AM KRX KRX KRXQAE KRX4A KRXE 0065770 50002231340114030317 20005005651322366713 22327113277234010511 36010100224514220200 / RY1ALCCOP /E KR3 KRZ KW 1AE13AA R+LRB 0065774 17510200167050002231 32013461041617010474 34021001310210023102 10143400101032023100 0(B N / RYZA1 DNOAD 18HAYBHBYBHL1 HHZBY 0066000 10673437030212323037 12010302376130220525 02002662020014040200 21110417101606201013 H 14CBJZX4JACB4 XREUB V B LDB 01DGHNFPHK 0066004 07161403344514175400 21411400343734611401 03343023101206031433 34223022040603020525 GNLC1+LD= Q6L 141 LAC1X5HJFCL01RXRDFCBEU 0066010 30241016072230610420 30421237326117010610 16010511124004073042 12400504142434220301 XTHNGRX DPX7J4Z DAFHNAEIJ5DGX7J5EDLT1RCA 0066014 21762200220522072211 22152220223222342236 00000000000000000 36152400214200000333 Q R RERGRIRMRPRZRIR3 0066020 01002147010030740200 24222000215505053067 04710100110417100621 16070506200021706262 A Q\*A X B TRP Q EEX D A IDUHFQNGEFP Q 0066024 01001102170305153052 33713452303111013431 03540402141411050100 11060302274714010100 A IBOCEMXJO 1)XY1A1YC=DBLLIEA IFCBW+LAA 0066030 11003401500127723533 30013203067130330502 36330100223250001575 34330370107404703403 [ 1A/AW 20XAZCF X0EB30A RZ/ M 10C H D 1C 0066034 10710457200007770367 14025400215601002253 02001404303734141400 34120200240032140610 H D.P G C LB= 0+A R\$B LDX41LL 1JB T ZLFH 0066040 03603052121004553052 10110752030610063155 10063166601030140324 16043414100131141002 C x}JHD X]HIG]CFHFY HFY HXLCTND1LHAYLHB 0066044 31141014340010103214 31001067341403063310 10731204052330141600 34062177544406140200 YLHLI HHZLY H 1LCFOHH JDESXLN 1FQ =9FLB 0066050 24003206072232061056 55002660301217010703 14100307301410023114 34610200272201002251 T ZFGRZFH, V XJOAGCLHCGXLHBYL1 B HRA RE 0066054 01002250300432651014 31053266060521002373 04020716010023772000 24016001300412373404 A R/XDZ HLYEZ FEQ S DBGNA S P TA AXDJ41D 0066060 10143305217753660751 14110100225102003004 01002421200000001007 16505400177103203245 HLOEQ \$ G(LIA R(B XDA TQP HGN/= 0 CPZ+ 0066064 07160415340602002516 30453406300710023107 51002474540025530200 17670200251620002772 GNDM1FB UNX+LFXGHBYG( T = USB O B UNP W 0066070 54002553020026750200 25570100242130070406 20002471610724730312 30063566106335651014 = U\$B V B U.A TQXGDFP T GT CJXF2 H 2 HL 0066074 33662177527307072000 25073107346610633465 01002515300604741400 34073065101433663106 0 Q ) GGP UGYG1 H 1 A UMXFD L 1GX HLO YF 0066100 21775250070534072377 77773506300610023106 51002553540024743065 10063155100631666106 Q }/GE1G\$ ZFXFHBYF{ U\$= T X HFY HFY F 0066104 27720100246701002556 30615400215073132772 66132565050275535400 21510302223330245400 W A T A U,X = Q/ KW KU EB \$= Q(CBROXT= 0066110 21473021220057773421 30522200737734522000 26102300500004072000 20003521200004003552 Q\*XQR . 1QX)R 1)P VHS / DGP P 2QP D 2) 0066114 02002254020021010402 14333422030302001615 02002233302231250407 30245400214214300200 B R=B QADBLOIRCCB NMB ROXRYUDGXT= Q7LXB 0066120 15253033343202002063 24002000265562621400 04055700266030766247 36301063352736600100 MUXO1ZB P T P V L DE. V X +3XH 2H3 A 0066124 25560100267430612300 50040402140435615400 26115300270004045000 21411217546127713061 U,A V X S /DDBLDZ = VI\$ H DD/ Q6JQ= W X 0066130 54612766302754612767 30305461277030611200 35610341540024241400 01002736306112010370 = W XW= W XX= W X J 2 C6= TTL A W3X JAC 0066134 12021076036501002746 14003461340614175400 21410200273702002422 15143552036114143552 JBH C A W-L 1 1FLO= Q6B W4B TRML2]C LL2] 0066140 14010322307762620200 25165000277211170464 30776062032430421237 32611701061714000100 LACRX B UN/ W IOD X CTX7J4Z UAFOL A 0066144 27211400540024243061 04503012171407603412 37610672141003613061 12010505301217100606 WQL = TTX D/XJOLG 1J4 F LHC X JAERXJOHFF 0066150 03443012170406743661 56002424037030611203 34001001310010023212 06021660160710160605 C9XJODF 3 , TTC X JC1 HAY HBZJEBN NGHNEE 0066154 56002424010027133000 11010573366103713051 11110403140234412000 40540200150004103036 , TTA WKX TAE 3 C X(TIDCLB16P 5=B M DHX3 0066160 10711101050414020100 32173046220003002300 03000523540022352000 30615400223420003401 H IAEDLBA ZOX-R C S C ES= RZP X = R1P 14 0066164 54002237200002005400 25732000030254002635 14033400302410120703 01003213020016001624 = R4P B = U P CB= V2LC1 XTHJGCA ZKB N NT 0066170 60136003170160111701 60103003040530161202 34000415302412040437 30151277115504333051 K CDA IDA HXCDEXNJB1 DMXTJDD4XMJ I DDX( 0066174 11120430140134003013 12771100042230241201 04043000343414221126 34622000323154001525 IJDXLA1 XKJ I DRXTJADDX 11LRIV1 P ZY= MU 0066200 01002147306201001106 30411702060301003320 14613401500127655401 26743701067230521013 A Q+X A IFX60BFCA OPL 1A/AW =AV 4AF XIHK 0066204 07233021120104205000 40525400273230211240 04111424340150013047 54012740370106722000 GSXQJADP/ 5)= WZXQJ5DILT1A/AX\*=AW54AF P 0066210 03025400246114005400 26102000306154002611 30521240050354002727 01003412200053005400 CB= T L = VHP X = VIX)J5EC= WHA 1JP ; = 0066214 26122000270054002613 30211201042556002730 30211240041530411100 04032000010023003161 VJP W = VKXQJADU, WXXQJ5DMX61 DCP A S Y 0066220 54002742200027370310 30411101047220001400 54002357540023603041 11000410141355002710 = W7P W4CHX6IAD P L = S.= S X61 DHLK WH 0066224 20005000540027003052 12400411200050615400 27112000276654002712 30521260107334070435 P / = W XIJ5DIP / = WIP W = WJXJJ H 1GD2 0066230 23001400540022571203 55002331200030655400 22762000276554002456 54002553304117020711 S L = R.JC SYP X = R P W = T,= U\$X608GI 0066234 30071202040215552100 17715400234730071202 04152000346154002305 30411102050520003052 XGJBDBM Q D = \$\*XGJBDMP 1 = \$EX6IBEEP XJ 0066240 54002323033330070531 50002137107410023352 12143352345212140510 14005400216120002215 = SSCOXGEY/ 04H HB0)JL0)1)JLEHL = Q P RM 0066244 54002163305212141104 04041400540026653041 17020707300712021102 05035400235630411103 = Q XIJLIDDDL = V X60BGGXGJB1BEC= \$,X61C 0066250 04031107053430070531 20003414540022655000 21411277550022612000 17715400234714005400 DCIGE1XGEYP 1L= R / Q6J R P Q = S+L = 0066254 21612000221554002163 20777677550022660307 30070505200035145400 22673021120103103041 Q P RM= Q P R CGXGEEP 2L= R XQJACHX6 0066260 11000405200014525400 26325000214110675400 21413051111105043052 12141114053530411702 I DEP L)= VZ/ Q6H = Q6X(IIEDX)JI II E2X6JB 0066264 06132000020054002213 50002141111705035400 21413052220073773452 30211065110204105000 FKP B = RK/ Q6[0EC= Q6X]R 1)XQH 1BDH/ 0066270 21371007070420000400 35523021220037772300 40003421302414000407 30361071170204021602 04HGGDP D 2)XQR 4 5 5 1QXTL DGX3H OBDBNB 0066274 16035400215220004021 02001552200000505400 17712000463554002075 30361377327120000201 NC= Q)P 5QB M)P /= Q P -2= P X3K Z P BA 0066300 54002077030740245400 20271402550015723021 22006777342120004025 34621403346620000400 = P CG5T= PHLB M XQR 1QP 5U1 LC1 P D 0066304 54001450304004123041 11040403110605053051 11110510365730511111 05042000400034600100 = L/X5DJX61DDC1FEEX(11EH3.X(11EDP 5 1 A

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0066310 21475000215204030200 16150200225404030100 21640200416020004000 34600100215325632565 Q\*/ QIDCB NMB R\*DCA Q B 6 P 5 1 A Q\$U U 0066314 25700000436006344667 12104766100050020624 50230400516202045211 04005216020052570400 U 8 F1- JH\* H /BFT/SD ( BD)ID ]NB ].D 0066320 55320634000007060407 24250404242614532427 02002430161524521737 26262111264514272652 ZFL GFUGTUDDTVL3TWB TXNMT)04VVQIV+LAV) 0066324 03023122140031501017 31741220360504103674 12203713166137151741 37177775372121333725 CBYRL Y/HQY JP3EDH3 JP4KN 4H0640 4QQ04U 0066330 23003726100537302135 37312000401203020000 30211203040412020406 14062100423154004150 \$ 4VHE4XQ24YP 5JCB XQJCDDJBDFLFQ 7Y= 6/ 0066334 30211076120635015001 42150406344520003006 54002431010041575000 01121210107434013021 XQH JF2A/A7MDF1+P XF= TYA 6./ AJJHH 1AXQ 0066340 12400540302412040405 30361071110503070200 17545000212112301130 05612000422354004150 J5E5XTJDDEX3H IECGB D=/ QQJXIXE P 7S= 6/ 0066344 01004143000000000560 00000420000004000000 02600550020004000000 00000000000006300000 A 68 E DP D 8 E/8 D D 8/F 0066354 11050200152502150006 20441110020013610200 12460305204411030200 13611410020015036001 IEB MUBM FP91HB K B J-CEP91CB K LHB MC A 0066360 20000106601030113204 12771704060301001205 20441102020013612000 01066010141002001503 P AF HXIZDJ ODFCA JEP9IBB K P AF HLHB MC 0066364 60013011340437050620 20441104020013612000 01066010141002001503 60013011340414073405 AXIID4EFPP9IDB K P AF HLHB MC AXIIDLGIE 0066370 14100200150362012000 00000507307416626010 30140404140002007345 20000102020015036250 LHB HC AP EGX N HXLDDL B +P ABB HC / 0066374 20000426020015036001 36052000042602001503 62011444020003360100 01140100124520000104 P DVB MC A3EP DVB MC AL98 C3A ALA J+P AD 0066400 34333052100606072044 11060200152501002544 14000200033630741620 60103011040301001205 10X)HFFGP91FB MUA U9L B C3X NP HXIDCA JE 0066404 34323032313302001503 60251620602030201742 06261201041720441101 02001361302010763410 1ZXZYOB MC UNP PXPO7FVJADOP9IAB K XPH 1H 0066410 50101337341014003464 02100000363217200743 01001245020015102004 20073641403540662004 /HK41HL 1 BH 3ZOPG8A J+B MHPDPG36525 PD 0066414 20042004410541342004 41624351437744334457 45030100136010143406 10143407331705063006 PDPD6E61PD6 8(8 909.+CA K HL1FHL1G0DEFXF 0066420 33160503010014433006 34163007341714110200 15036010301310143314 02001503600130010435 ONECA LBXF1NXG10L1B MC HXKHLOLB MC AXADZ 0066424 33160505300233171071 04063005351410633513 03553003540014423415 30131014331402001503 ONEEXBOOH DFXE2LH 2KC XC= L71MXKHLOLB MC 0066430 61050000500013615415 00060115000730162300 44110511301713771006 33161006020015250356 E / K =M FAM GXNS 91E1X0K HFONHFB MUC. 0066434 30171377100633161006 02000476010013601014 31563155100601001502 10143256100607660000 XOK HFONHFB D A K HLY,Y HFA MBHLZ,HFG 0066440 30776370151014760200 03361436020003360100 01140100152434051063 34043075340320340414 X MHL B C3L3B C3A ALA MT1EH 1DX 1CP1DL 0066444 10143401106310153374 10703402307762011453 02000336301105161400 02000336307416206010 HLIAH HMO H 1BX ALSB C3XIENL B C3X NP H 0066450 30110463144402000336 01000114340714000200 03361477170105763007 60103011330205423012 XIO L9B C3A ALIGL B C3L DAE XG HXIOBE7XJ 0066454 23007777056134123415 14666001307662013007 62101477170105763076 60103014047112770425 S E 1J1ML AX AXG HL DAE X HXLD J DU 0066460 34073015050730776010 30123415540016443077 61071643300710023107 55001644307662010343 1GXMEGX HXJ1M= N9X GNBXGHBYG N9X ACB A\*\*\*\*\* A 1DC H D A YQP 0066474 24120305302617030200 12163646023000005000 31163403160444035403 00025000304210100721 TJCEXVOCB JN3-BX / YN1CND9C-C B/ X7HHGQ 0066500 50003042121705174004 23002015050301001226 40041071340150012715 03051001061050002772 / X7JDE05DS PMECA JV5DH 1A/AWMCEHAFH/ W 0066504 54030001200003774403 14043503500030422200 02170502370302001643 02001724020020771400 =C AP C 9CLD2C/ X7R B0EB4CB N8B OTB P L 0066510 02000336307416206010 01001113010012150404 07033426037214400200 13225000311504041440 8 C3X NP HA IKA JMDDGC1VC L5B KR/ YMDDL5 0066514 02001322500031203402 14053400400444025402 00013604500031152177 76570605360214025500 B KR/ YPIBLE1 5098=B A3D/ YMQ .FE3BLB 0066520 31153700056040020404 02300000035137024002 05065700311557003115 03701277050357003115 YM4 E 580DBX C14858EF. YM. YMC J EC. YM 0066524 30025400312030355400 31073036540031103045 54003043142002001322 01001321550030423644 XB= YPX2= YGX3= YHX+= XBLPB KRA KQ X739 0066530 20000000040562401400 54001327560030525000 31202177465604251601 02003016340152003041 P DE 5L = KW, XJ/ YPQ -.DUNAB XNIA) X6 0066534 07041402010026105000 30371277100631551006 51003040630131211412 34013053100631551006 GDLBA VH/ X4J HFY HFT X5 AYQLJIAX\$HFY HF 0066540 31541610630130341444 02000336010001140100 14073020042237201076 34163003322034035016 Y=NH AXIL9B C3A ALA LGXPDR4PH 1NXCZP1C/N 0066544 14275400142601001425 14341450146615041522 40041014341610633417 50162615440350172615 LW= LVA LULIL/L MDMR5DHLINH 10/NVM9C/QVM 0066550 54030001500400011014 34161063341750162615 54030002501726155403 00035004000210143416 =C A/D AHLINH 10/NVM=C B/OVM=C C/D BHLIN 0066554 10633417501626155403 00045017261554030005 50040003101434161063 34175016261554030006 H 10/NVM=C D/OVM=C E/D CHLINH 10/NVM=C F 0066560 50172615540300075004 00040426101434161063 34175016261554030010 50172615540300111412 /OVM=C G/D DDVHL1NH 10/NVM=C H/OVM=C ILJ 0066564 35033024320307360230 00000100143430031612 34160302370350030007 52002615047214103503 2CXTZCG3BX A LIXCNJINCB4C/C G) VMD LHZC 0066570 02001633360330243203 06043024321603051400 34203003031216133420 30243403020025630200 B NO3CXTZCFDXTZNCEL 1PXCCJNK1PXT1CB U B 0066574 16333603520031161704 07731500440354030001 54030002140335030100 14070100163237034003 NO3C) YNDDG M 9C=C A=C BLC2CA LGA N24C5C 0066600 52002672047303700100 16423020041537201076 35043020120104070313 36460230000014003420 ) V D C A N7XPDM4PH 2DXP JADGCK3-BX L 1P 0066604 36204004107144033603 40041277440336033620 17120403360403623024 32030702035135203620 3P5DH 9C3C5DJ 9C3C3PQJDC3DC XTZCGBC(ZP3P 0066610 30243403374515004403 54030001540300021403 35030100164201001723 50003116160334021601 XT1C4+M 9C=C A=C BLC2CA N7A OS/ YNNC1BNA 0066614 34011403350240023321 04123325057137022000 77774302047336020324 50027776332104063602 LALC285B0QDJOUE 4BP 8BD 3BCT/B 0QDF3B 0066620 40023321040603515002 77753321040536024002 33210541370237023002 32010434340017770703 5B0QDFC(/B OQDE38580QE64848X8ZAD11 0 GC 0066624 14773400200003774403 40015403000230034401 30011601540300033000 21000220540300011404 L 1 P C 9C5A=C BXC9AXANA=C CX Q BP=C ALD 0066630 35033000350103424002 33210406200022354402 01001723360240023321 04743002320134001703 2CX 2AC7580QDFP R298A US 38580QD X8ZA1 UC 0066634 06030100173317340703 14373400200003774401 30001620540100013001 31005401000234010350 FCA 0001GCL41 P C 9AX NP=A AXAY =A BIAC/ 0066640 01002076140034015000 31203402500031163403 03350200214410044402 02002144107345023602 A P L 1A/ YP1B/ YN1CC2B Q9HD9BB Q9H +B3B 0066644 30001010440202002144 45023602035736033601 37260402060414400200 13223000010021134003 X HH9BB Q9+B3BC.3C3A4VDBFDL5B KRX A QK5C 0066650 34001067046130003403 23007777056756003045 10635500304430015500 31153002540031205000 1 H D X 1CS E . X+H X9XA YMXB= YP/

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0066654 30422200776033205400 30423064540030703065 54003071303554003107 30365400311030455400 X7R OP = X7X = X X = X X2 = YGX3 = YHX+=0066660 30430100207603770014 22350377001300600060 22350377001300610067 03770012777701002240 X8A P C LR2C K R2C K C J A R5 0066664 40270505304604250100 23425027000132450412 36451002314531271703 34041400344603533045 5HEEX-DUA S7/M AZ+DJ3+HBY+YMQCIDL 1-C\$X+ 0066670 13770523304605052000 24043404036450003116 34002000222444003026 17020200121602002077 K ESX-EEP TD1DC / YN1 P RT9 XVDBB JNB P 0066674 50277776050302002412 34271400344536361063 35353046041230355400 31073036540031101400 /W ECB TJIWL 1+33H 22X-DJX2= YGX3= YHL 0066700 54003043010022425027 00010410500031163400 20002231010023033026 17060200121650003116 \* XBA R7/W ADH/ YN1 P RYA SCXYOFB JN/ YN 0066704 34002000222144000200 20772000020054003111 20001030540030522000 01000200132200000000 1 P RQ9 B P P B = YIP HX= X)P A B KR 0066710 00000000000001002411 40270504502700010471 34071006060530073406 14003407020005135000 A TISWED/W AD IGHFFEXGIFL IGB EK/ 0066714 31173427020005600604 14010100261040270504 50270001043034071006 07254027040650270001 YOLWB E FDLAA VH5WED/W ADXIGHFGU5WDF/W A 0066720 10025127000116033127 54277776210005025200 31160605502777760100 24330200056614005427 HB(W ANCYWEW Q EB) YNFE/W A TOB E L EN 0066724 77765000311734270100 24110100251030653263 05163064326205135000 30371013060301002354 / YD1NA TIA UHX Z ENX Z EK/ X4HKFCA 5= 0066730 20000100020013223064 10063155100631656010 36651063356430673265 05103066326405053060 P A B KRX HFY HFY H3 H 2 X Z EHX Z EEX 0066734 34643061346536451410 34040100251001002562 30302300224104173061 32650510306032640505 1 X 1 3\*LH1DA UHA U XXS R6DUX Z EHX Z EE 0066740 30663464306734653065 05023764376537450352 34462036043202000476 00720101010201030104 X 1 X 1 X EB4 4 4+C11-P3DZB D AAABACAD 0066744 01050106010701100111 01120113011401150116 01170120012101220123 01240125012601270130 AEAFAGAHAIAJAKALAMANADAPAGARASATAUAVAHAX 0066750 01310132006000610062 00630064006500660067 00700071005300550052 00570050005100440075 AYAZ \$ 1./(9 0066754 00400054005600430133 01350045004201370041 00460047007700740076 01000134013600730340 5 = , 8A0A2 + 7A4 6 - + 0066764 034003400350356 03570341034403450346 03470350035103520353 03540343034203400340 C5C5C5C C.C.C6C9C+C-C\*C/C(C)C\$C=C8C7C5C5 0066774 0340034003003015 16043402100131021002 31021014340010103202 31001067036100000000 C5C5C5A XMND1BHAYBHBYBHL1 HHZBY H C 

0067014 10713256070414130100 26103053100631551006 31541610610130345000 30521201040657003052 H Z,GDLKA VHX\$HFY HFY=NH AX1/ X) JADF. X) 0067020 14140100261050003051 12030505500030521065 04041412010026105000 30341071041650003037 LLA VH/ X(JCEE/ X)H DDLJA VH/ X1H DN/ X4 0067024 10661103051120360431 02000476200040665400 37465000303505041402 01002610500030410472 H ICEIP3DYB D P 5 = 4-/ XZEDLBA VH/ X6D 0067030 50003037127710145100 30405100304110713256 07050404140301002610 50003036176207042177 / X4J HL( X5( X6H Z,GEDDLCA VH/ X30 GDQ 0067034 76320704141101002610 50003036520030351611 06675000305612773460 50003057346150003063 ZGDLIA VH/ X3) X2NIF / X,J 1 / X.1 / X 0067040 34625000306434635000 30703464500030713465 50003075127734661014 53003076346710713256 1 / X 1 / X 1 / X 1 / X J 1 HL\$ X 1 H Z, 0067044 07050404141101002610 30663264070505073065 32670704141101002610 30643260077205043065 GEDDLIA VHX Z GEEGX Z GDLIA VHX Z G EDX 0067050 32610766306232600763 05043063326107573066 32620754050430633267 06505000303710120604 Z G X Z G EDX Z G.X Z GEEDX Z F// X4HJFD 0067054 14005400111320003122 51003035161254003117 34271063040414110100 26102000776452003036 L = IKP YR ( X2NJ= Y01WH DDLIA VHP ) X3 0067060 52003036540031162177 02770705200075005400 31165000311621777275 52003117060414040100 ) X3= YNQ B GEP = YN/ YNQ ) YOFDLDA 0067064 26102000100054003114 20000100540031115000 30422200761754003042 10070716144260403042 VHP H = YLP A = YI/ X7R U= X7HGGNL7 5X7 0067070 10210705500026155400 27002000141054001200 50003042121734201713 07041405010026105000 HQGE/ VM= W P LH= J / X7JQ1PQKGDLEA VH/ 0067074 26723421500030422200 40003521150033213425 50003036510031161604 34245000304334455000 V 1q/ x7R 5 2qm oq1u/ x3( ynnd1t/ x81+/ 0067100 31073435500031103436 50003113171107041411 01002610500030343410 50003042341150003043 YG12/ YH13/ YKUIGDLIA VH/ X11H/ X711/ X8 0067104 34125000310734135000 31103414305310063155 10063154510031131701 62105000303534262000 1J/ YG1K/ YH1LX\$HFY HFY=( YKUA H/ X21VP 0067110 25113430500030371013 07073063336505043062 33640403010011135400 30522000224134301404 UI1X/ X4HKGGX 0 EDX 0 DCA IK= X1P R61XLD 0067114 60315000307234373231 07353037323206323037 60316040363730443351 12370522500030463331 Y/ X 14ZYGZX4ZZFZX4 Y 534X90(J4ER/ X-0Y 0067120 05165000304733320512 50003050333305065000 30513334137704041406 01002610020040410404 EN/ X\*OZEJ/ X/OOEF/ X(O1K DDLFA VHB 56DD 0067124 14100100261030375400 13273040127734053041 34065000310734355000 31103436020037500604 LHA VHX4= KWX5J 1EX61F/ YG12/ YH13B 4/FU 0067130 14070100261030075400 11033006540011065000 31073435500031103436 01001102010037470200 LGA VHXG= ICXF= IF/ YG12/ YHL3A IBA 4+B 0067134 05133014100316203272 54003774106323002100 54003773300634003000 34061075210077776010 EKXLHCNPZ = 4 H S Q = 4 XF1 X 1FH Q 0067140 30061203340150010010 34001006061715005300 01063536065536363735 06525000010631363407 XFJC1A/A H1 HFFOM \$ AF23F 3342F)/ AFY31G 0067144 01003747107132360773 30350467150003673037 60401701601014000100 40403077624030373414 A 4\*H Z3G XZD M C X4 50A HL A 55X 5X41L 0067150 14003413145602000336 30110456036200000000 34111700107300000230 30511014070520361104 L 1KL,B C3XID,C 11D H BXX(HLGEP3ID 0067154 02000476140034573446 34472000012760103013 12020507307416276010 30131017060530540511 B D L 1.1-1\*P AW HXKJBEGX NW HXKHOFEX=EI 0067160 01001261305510061610 60103010040301001227 30521013072202001757 04703045127734015001 A J X HENH HXHDCA JWXJHKGRB O.D X+J 1A/A 0067164 12753401010100002036 11030200047601004215 02001331071004351400 02002347560012450321 J 1AAA P31CB D A 7MB KYGHDZL B 5+, J+CQ 0067170 30451277050620361102 02000476055020361101 02000476020025400100 25613045107134111405 X+J EFP31BB D E/P31AB D B U5A U X+H 11LE 0067174 02000336020017340200 14300200145414000200 03363074162060103011 05221400041050001245 B C3B 01B LXB L=L B C3X NP HXIERL DH/ J+ 0067200 13775400124501001100 30741626625014440200 03360100011420361103 02000476020047530364 K = J+A I X NV /L9B C3A ALP3ICB D B +3C 0067204 13001303130614020100 21101404010021103035 12400403010012210100 12110100131514000200 K KCKFLBA QHLDA QHX2J5DCA JQA JIA KML B 0067210 16303021341114040200 03360365010013301410 34013055100616206101 67665053676734451071 NXXQ11LDB C3C A KXLH1AX HFNP A /\$ 1+H 0067214 51000515602014073401 30551006210001316101 24615000246512010444 30523371345250002464 ( EM PLG1AX HFQ AY AT / T JAD9X10 1)/ T

EXPRESS 11 0.5V - V2.0 79/10/30. 15.19.49. 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. NUS 1-0J03T/R2B. NOS 1.4 STUDY DUMP.

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XM A KX JB N A LFLHB OFXTR 0067224 70003426725215006712 14031701057401001642 01001427305510061610 60403040047030551006 IV JM JLCOAE A N7A LWX HENH 5X5D X HE 0067230 31406010301005622036 11010200047601002637 01001453305404743652 12771105057030521377 Y5 HXHE P31AB D A V4A L\$X=D 3), IEE X1K 0067234 34521400340134043402 34463074166260101400 34143074166262102000 01453403344730021006 1)L 1A1D181-X N HL 1LX N HP A+1C1+XBHF 0067240 31551006310360101604 60403010041030433446 30443447300116013404 30433402304434033601 Y HFYC HND 5XHDHX81-X91+XANALDX81BX91C3A 0067244 33540550304610143147 16771071341134013356 04211400341214210200 03361400020003363074 0\*E/X-HLY+N H 111A0+DQL 1JLQB C3L B C3X 0067250 16206010305633010503 30043454010014530100 15721277340010033300 13702100333334001071 NP HX.OAECXD1=A LSA H J 1 HCO K Q 001 H 0067254 11330504142210063500 30000356020016650411 11010403142503223006 04743036120701001627 IUEDLRHF2 X C.B N DITADCLUCRXFD X3JGA NW 0067260 76123426106334061500 65121614170105747552 14263420302134111404 02000336203611030200 JIVH 1FM JNLOAE )LV1PXQ1ILDB C3P3ICB 0067264 04760200434602004702 01004215010016641413 02001706705275523435 14120200170670527552 D B 8-B \*BA 7MA N LKB OF ) )12LJB OF ) ) 0067270 34361207036074120100 17051006761234011406 65121704170105743001 34260100164202001573 13JGC JA OEHF JIALF JODOAE XALVA N7B M 0067300 55010324112605570000 01001756140034453457 14103401305510061620 61016766150034071466 ACTIVE. 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EEX 192JFCXJ19XYHF1LH 1KXYDBL5150AHF1J 2GD\*H 1+XGNO HNC PXHD

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0070130 30453411143702000336 30110564304510071621 61703206162661703213 16106170500050003214 X+11L4B C3XIE X+HGNQ ZFNV ZKNH //ZL 0070134 13370422200032065400 50015000500013771601 54005000200050053415 20330125020004763074 K4DRP ZF= /A/ / K NA= / P /EIMPOAUB D X 0070140 10703411143702000336 01002127010022135400 22642077747735441425 60103012321404203020 H 11L4B C3A QWA RK= R P 29LU HXJZLDPXP 0070144 12773405302134060200 05131400020027540520 02000566500071743422 04103023217776770604 J 1EXQ1FB EKL B W=EPB E / 1RDHXSQ FD 0070150 20000100342301002213 1403342420000000200 30411400035501002271 31313412106331303411 P A 1SA RKLCITP B X6L C A R YY1JH YX1I 0070154 03701400010023023441 10633440101433411071 32050665304010063102 10063141036014000100 C L A SB16H 15HL06H ZEF X5HFYBHFY6C L A 0070160 23233030326007721014 31313261076630011103 05640200236204021500 11010356010023453007 SSXXZ G HLYYZ G XAICE B S DBM IAC.A S.XG 0070164 16256010301404711443 60103010101403640100 23613007162060101645 60203014046734053013 NU HXLD L8 HXHHLC A S XGNP HN+ PXLD 1EXK 0070170 34021402340314643404 30201277342031210404 37031402340430201014 31213103020023030404 1BLB1CL 1DXPJ 1PYQDD4CLB1DXPHLYQYCB SCDU 0070174 60123012050301002361 30151237101433160503 01002521160102002303 04636040170160103013 JXJECA S XMJ4HLONECA UGNAB SCD 50A HXK 0070200 12773114050530433415 30443416301512371014 31161603020023030440 60121701601017016170 J YLEEXBIMX91NXMJ4HLYNNCB SCD5 JOA HUA 0070204 67761702604030402300 17250523304123002420 05173042230025240513 30431377051030133315 OB 5X5S DUESX6S TPEOX7S UTEKX8K EHXKOM 0070210 10143114331601002361 36033304040301002411 30203121046650006777 12010462035401002536 HLYLONA S 3CODDCA TIXPYQD / JAD C=A U3 0070214 30071070341114370200 03363011056630033411 14013412141602000336 30020407300710703411 XGH 11L48 C3XIE XC11LAIJLNB C3XBDGXGH 11 0070220 14150200033630741070 34111437020003362000 01336010361410633513 30020404361210633511 LMB C3X H 11L4B C3P A0 H3LH 2KXBDD3JH 21 0070224 20000133621001002536 14000100261630621277 34003007165160403040 32000764101431413263 P AO HA U3L A VNX J 1 XGN4 5X5Z G HLY6Z 0070230 07601014314232640754 15000353370405070100 26453010340514043404 30051017340510601207 G HLY7Z G=M C\$4DEGA V+XHIELDIDXEHOIEH JG 0070234 34035003271154002670 50040010220026670451 14023404300110141103 02002734301235611063 1C/CWI= V /D HR V D(L81DXAHL[CB W1XJ2 H 0070240 35603704057201002645 35673560340734000167 01600007000001002721 12773400100333001370 2 4DE A V+2 2 1GL A A G A WQJ 1 HCO K 0070244 21003333036601002733 34001066350014046010 30131014311431006010 03630200056614020100 Q OOC A WOL H 2 LD HXKHLYLY HC B E LBA 0070250 27533403140034072000 67760200056007633607 50006776230037770555 50006777117705515000 H\$1CL 1GP B E G 3G/ S 4 E / I E(/ 00/0254 70063306054534013003 04215001700043030512 36033601110305705000 70034303137704040200 FOFE+1AXCDQ/A 8CEJ3C3AICE / C8CK DDB 0070260 05661501010027532006 31450200044220003145 02000442010030403401 30055100051560103013 E MAA W\$PFY+B D7P Y+B D7A X51AXE( EM HXK 0070264 54003145300502002722 54003146300610710200 27225400315430060200 27225400315530010511 = Y+XEB WR= Y-XFH B WR= Y=XFB WR= Y XAE1 0070270 54003157200057555400 31560100303061703161 20003165340150003164 13775400316440011071 = Y.P . = Y.A XX Y P Y 1A/ Y K = Y 5AH 0070274 34021717060550023166 54003157140044013701 40010475127704043601 20005702115745010100 1800FE/BY = Y.L 9A4A5AD J DD3AP .BI.+AA 0070300 30300521303056552323 05225655241316161616 56554747565506111405 16011557000011162217 XXEQXX, SSER, TKNNNN, \*\*, FILENAM. 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AAP 0070370 02020304021030250100 14642000000004723025 52001467107603663401 14000100150034021301 BBCDBHXUA L P D XU) L H C 1AL A M 1BKA 0070374 04711377100634011006 32560664300110143302 03611401010015201402 35306040333104703044 D K HFLAHFZ+F XAHLOBC LAA MPLBZX 50YD X9 0070400 10713426170506665026 15720463127702001636 05570200227630441071 34261705061350261572 H 1VDEF /VM D J B N3E.B R X9H 1VDEFK/VM 0070404 04101071020016360504 02002060040502002253 01001522010015200201 0303000000003031401 DHH 8 N3EDB P DEB R\$A MRA MPBACC 0070410 01001600140154002462 14023530604033310465 33311601602014000200 16360564020022761400 A N LA- T LB2X 50YD OYNA PL B N3E B R L 0070414 02001636050402002060 04460200225303500100 16353401500120013401 01010000304412370565 B N3EDB P D-B R\$C/A N21A/APA1AAA X9J4E 0070420 30441071342610065337 14561377055530241100 05041400055030243227 07450315304412370417 X9H 1VHF\$4L.K E XTI EDL E/XTZWG+CMX9J4DD 0070424 10071621604016506010 30301601331005570337 30441237540024620433 10073374043033746171 HGNQ 5N/ HXXNAOHE.C4X9J4= T DOHGO DXO 0070430 56273030160153006264 05201404340150015754 54010040540156135001 63035401562037010664 ,HXXNA\$ EPLD1A/A.==A 5=A,K/A C=A,P4AF 0070434 03071401010016351400 54002462304004702000 55430200122705163043 33451277041230451101 CGLAA NZL = T X5D P 88 JWENX80+J DJX+IA 0070440 04041101050514011100 33431277010016351645 16711706175002002444 07165000211004125300 DDIAEELAI 08J A N2N+N OFO/B T9GN/ QHDJ\$ 0070444 71132200077705065000 71145300212004020332 30451102052650002110 04240200244407211402 KR G EF/ L\$ QPDBCZX+IBEV/ QHDTB T9GQLB 0070450 34015001555553017106 05123701067150005560 53007111137705021400 01002057140034073401 1A/A \$A FEJ4AF / \$ IK EBL A P.L 1G1A 0070454 30371100040311010503 01002005303711043436 05023601302010711167 05023701300105502000 X4I DCIAECA PEX4ID13EB3AXPH I EB4AXAE/P 0070460 00000411332222000777 05413023230021170564 14000432303604133022 10660420110705142000 DIORR G E6XSS QUE L DZX3DKXRH DPIGELP 0070464 21332177767007140200 24440711500070760303 23000107530021340403 01002024200000000473 QQQ GLB T9GI/ CCS AG\$ QLDCA PTP 0070470 34353036040530201066 04220306302210661107 04051107110005550311 02002444075150007077 12X3DEXPH DRCFXRH [GDEIG] E CIB 1961/

0070474 04033335054420000100 34353371043530360425 30201071120734011107 04171107052230371102 DC02E9P A 120 D2X3DUXPH JG1AIGD0IGEKX41B 0070500 05103035170604031400 03131401031130010306 02002444070450007075 33350100202401002252 EHX20FDCL CKLACIXACFB T9GD/ OZA PTA RI 0070504 30250474340114000200 26141400342503653030 34256040617056136020 61705620010022753030 XUD 1AL B VLL 1UC XX1U 5 .K P .PA R XX 0070510 34011401020026140460 02002253010011510100 23110200244407731402 34015001556254015500 1ALAB VLD B R\$A [(A SIB T9G LB1A/A =A 0070514 37010672500055651377 54005503020014655400 55155000706754005516 30371102040511010410 4AF / K = CB L = M/ = NX4IBDEIADH 0070520 01002437500070550200 26010305500070550200 25665400554010635400 55371177050415005400 A T4/ B VACE/ B U = 5H = 41 EDM = 0070524 55375000707654005506 50007075100353007074 10065300710054005507 50005510127710145300 4/ = F/ HC\$ HF\$ = G/ HJ HL\$ 0070530 70621006540055105000 72621202101253007054 54005536302454005523 14010100231115000100 HF= H/ JBHJ\$ == 3XT= SLAA SIM A 0070534 24433007057430201277 34051177046630210464 34060200051320000001 05253407200056250200 T8XGE XPJ 1EI D XQD 1FB EKP AEU1GP +UB 0070540 05600723020005663077 63705716170160203020 12773405302134060200 05131400020026630410 E GSB E X .NOA PXPJ 1EXQIFB EKL B V DH 0070544 20362122020004760200 60040304020005661401 01002443140001002531 30301601602030201277 P3QRB D B DCDB E LAA TBL A UYXXNA PXPJ 0070550 34050200051330213406 14013407200056250200 05600654203621220200 04760200600401002531 1EB EKXOLFLAIGP .UB E F.P3QRB D B DA UY 0070554 15000100256512771177 04721177100621000000 03661500010026001277 11770472117710122100 M A U J I D I HFQ C M A V J I D I HJQ 0070560 10000366140201002613 54002620200026173412 30013411144202000336 30110462170204573071 H C LBA VK- VPP VOIJXALIL7B C3XID OBD.X 0070564 34023702076014000200 03363074162060105000 01125400265100000576 30111122045403560200 1848G L B C3X NP H/ AJ= V( E XIIRD=C+B 0070570 05661402010026623403 14003407200067760200 05600603020012223607 50006776230037770553 E LBA V 1CL 1GP B E FCB JR3G/ S 4 E\$ 0070574 50006777117705475000 70063306054334013003 04215001700043030512 36033601110305705000 / I E\*/ FOFE81AXCDQ/A 8CEJ3C3AICE / 0070600 70034303137704040200 05661501010026620100 27411500343714003425 34275400146754002156 CBCK DDB E MAA V A W6M 14L 1U1H= L = Q. 0070604 30715400221020001400 54001663540021222000 11005400217414073465 30741622601030531237 X = RHP L = N = QRP I = Q LG1 X NR HX1J4 0070610 34531014335402001501 04351607020015010431 30112177001607250200 14266040617055431701 15HLO=B MADZNGB MADYXIQ NGUB LV 5 0070614 61655500304313775400 55035000553110711707 07043044120104041416 01001156500055163445 X8K = C/ YH OGGDX9JADDLNA [./ NI+ 0070620 17030704142101001156 30441073123705041401 01001156540014463044 12163435171006475000 OCGDLQA I,X9H J4EDLAA I,= L-X9JN120HF\*/ 0070624 55073401220070770435 14003402500233140464 33011277040414023502 03675002331410715500 G1AR D2L 1B/BOLD OAJ DDLB2BC /BOLH 0070630 21745002331554002156 50005505101207053001 10665400221050353353 34361010060450005523 Q /BOM= Q+/ EHJGEXAH = RH/20\$13HHFD/ S 0070634 34275000550510160612 30361011070756002122 50005506540021345000 55153457500055213401 1W/ EHNFJX3HIGG, QR/ F= Q1/ M1./ Q1A 0070640 50005522340231010402 30725400211020005550 02001275300155002110 30025400212014046030 / RIBYADBX = QHP /B J XA QHXB= QPLD X 0070644 30361006061030305400 14673057100131303457 30570503303034573057 32300706120105043057 X3HFFHXX= L X.HAYX1.X.ECXX1.X.ZXGF JAEDX. 0070650 32310704141501001156 50005515041050005505 10110604305716023431 30571702343034323036 ZYGDLMA I./ MDH/ EHIFDX.NBIYX.OBIXIZX3 0070654 10070610302723007777 05041403010011565035 33545400111330361277 53001104040553001104 HGFHXHS EDLCA I,/20== IKX3J \$ IDDE\$ ID 0070660 54001104010027410040 20220141142002421421 03431422044414230545 14240020062201220614 # IDA H6 5PRA6LPB7LQC8LRD9LSE+LT PFRARFL 0070664 02302014032410220426 10140010202500102002 00102043001023020000 44243401102333747025 BXPLCTHRDVHL HPU HPB HPB HSB 9T1AHSO U 0070670 33743025367100000000 36212300336300000066 01003370037501003373 56001663020014363037 0 XU3 305 0 AOCAO, NBL3X4 0070674 11000406110104045000 14460404140101001156 30273433230077775400 34530503343334271400 I DFIADD/ L-DDLAA I,XHIOS 0070700 34340200160105243024 34273034342502002253 30303434141134015001 56135401556237010672 11B NAETXTIWX11UB R\$XX11L11A/A,K=A 4AF 0070704 20000000045230343425 34300504140201001156 60405000552710170707 02003740040414120100 P DIX11U1XEDLBA I, 5/ WHOGGB 45DDLJA 0070710 11563025160160201400 34070200231206113032 34303033342702002253 01003425500070633435 I,XUNA PL 1GB SJFIXZ1XX01HB R\$A 1U/ 12 0070714 50007064343631350410 56003607020036530607 57003607302134061401 34073006342230073423 / 13Y2DH, 3GB 3\$FG. 3GXQ1FLA1GXF1RXG1S 0070720 14153424302012772300 77003420500070521014 54005524137753007053 10145400552510711377 LMITXPJ S 1P/ JHL= TK \$ \$HL= UH K 0070724 54005526510055255100 55240407500055271340 11405400552714005400 55335000707254005534 = V( U( TDG/ WK515= WL = O/ = 1 0070730 50007073540055351415 34111412020003363074 10703544304313773443 36256220170162401415 / # 2LMIILJB C3X H 29X8K 183U POA 5LM 0070734 34111404020003360200 22530100337301003652 02000513301410031620 32725400367710632300 LILDB C3B R\$A O A 318 EKXLHCNPZ - 3 H S 0070740 21005400367630063400 30003406107521007777 60103006120334015001 00103400100606171500 Q = 3 XF1 X 1FH Q HXF JC1A/A H1 HFF0M 0070744 53000106353606553636 37350652500001063136 34070100365210713236 07733035046715000367 \$ AF23F 3342F1/ AFY31GA 31H Z3G X2D M C 0070750 34570100373714046010 14023510602033110466 30200471334005673024 33511237056330413321 1.A 44LD HLB2H POID XPD 05E XTO(J4E X60Q 0070754 05603042332205553043 33231377055136103457 0342000000000000000 34041400107300000100 E X70RE X80SK E(3H1.C7 0070760 02001553140002001341 05030100115314000200 03363652343015003452 34313075625037310435 B MSL B K6ECA ISL B C3311XM 111YX /4YD2 0070764 20000160170105763075 60103012056630301071 05355000155110025100 15516510114473101545 P A DAE X HXJE XXH EZ/ MCHBC MC H19 HM+ 0070770 66101150755014440200 03360100011414003452 30511277345130756250 15001701057603602000 HI/ /L9B C3A ALL 1)X(J 1(X /M DAE C P 0070774 40063444303016013431 50001551343214063433 30323233060435441277 04301477170105763030 5F19XXNA1Y/ MCIZLF10XZZOFDZ9J DXL QAE XX 0071000 60103014057130316333 15451707624014365500 12253044127705030100 11531506353206433026 HXLE XY 0M+DG 5L3 JUX9 J ECA ISMF2ZFBXV 0071004 05052000400034440343 54001551140034260200 05131440550001102000 15525400122517023420 EEP 5 19C8= M(L RVB EKL5 AHP M)= JUUBIP 0071010 14113424020013410100 11734020342150200001 34223020020014273021 44203022542000012000 L11TB K6A I 5P1Q/P A1RXPB LHXQ9PXR=P AP 0071014 05003520300110710415 37240553500015512177 66770406342620001100 54001551020005661401 E 2PXAH DM4TE\$/ M(Q DF1VP I = M(B E LA 0071020 01001340055702001472 04720200051314405500 01103020020014270513 02000566035630011071 A K5E.B L D B EKL5 AHXPB LWEKB E C.XAH 0071024 04663020020014270371 50200002100633541006 53200003335305601411 34240100130602000513 D XPB LWC /P BHF0=HF\$P CO\$E LI1TA KFB EK 0071030 30101065120111010412 14533416204223050200 04760100134330010100 14263403020005600603 XHH JATADJL\$1NP7SEB D A KBXAA LVICB E FC 0071034 02001406500300013401 40030505340150030001 04573407100606531071 34061400340740030403 B LF/C ALA5CEETA/C AD.1GHFF8H 1FL 1G5CDC

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16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH.

0071040 50030001340101001426 34262000154334200100 14713075600714610200 03363076600430111377 /C ALAA LVIVP HBIPA L X GL B C3X DXIK 0071044 04601070046230531144 05733054137734253625 34133354045014443412 14610200033630766004 D H D X\$19E X=K 1U3U1K0=D/L91JL B C3X D 0071050 30111377056202000513 30101007065514000100 14654502360140013402 30521710057101001552 XIK E B EKXHHGF L A L +B3A5A1BX10HE A M) 0071054 14666040305210710571 20001565340103601144 11461150115215500000 44013400622200000050 L 5X)H E P M LAC [91-1/1]M/ 9A1 R / 0071060 02132320723342715700 02046235021323207233 42715671570002046235 02132320067233427157 BKSP 07 . BD 28KSP 07 . BD 28KSPF 07 . 0071064 0C000204622702132320 06723342715671570000 02046227021323202225 72334271567157000204 BD WBKSPF 07 , . BD WBKSPRU 07 , . BD 0071070 62320306227100004142 63370310050313552017 11162455233123240515 57000206642003171624 ZCFR 67 4CHECK POINT SYSTEM. BF PCONT 0071074 11162505723342715700 02046240032071567157 00000204635103227156 71570000020463510401 INUE 07 . BD 5CP , . BD (CR , . BD (DA 0071100 24055777000042316247 04013106111405567157 00000207625504050225 07570000400050360405 TE. 7Y \*DAYFILE, . BG DEBUG. 5 /3DE 0071104 14013156740002106227 04110114567156740000 02036227041123010214 05565572011677000213 LAY, BH WDIAL, , BC WDISABLE, AN BK 0071110 62270411230102140556 55721732770002146227 04112320140131567157 00000222622704172716 WDISABLE, OZ BL WDISPLAY, . BR WDOWN 0071114 56031071570012266264 04172716560310715605 21715700122662640526 11032456715700000223 ,CH . JV DUWN,CH ,EQ . JV EVICT, . BS 0071120 62270571735645467371 57005141622705717356 45467356715700005141 62270571735645467372 WE +- . 16 WE +- . 16 WE +- . 0071124 33375671570051416227 05717356454673047400 5141630100000000000 44014000622200000037 04, . (6 WE ,+- D (6 A 9A5 R 4 0071130 02006313020054251757 04173024340436640200 54253024340130061014 33076020300154040020 B KB =UG.DOXTID3 B =UXTLAXFHLOG PXA=D P 0071134 30061014330762200100 63520200631336641466 60201420340140640413 10064401366440640406 XFHLOG PA DB K3 L PLP1A5 DKHF9A3 5 DF 0071140 45013664360111250564 30061014310762200100 63520100631202005425 11570510200046773464 +A3 3AIUE XFHLYG PA JA JB -UI.EHP - 1 0071144 02005744020054253047 16206010301312771006 31243407106335233013 10713123127734063064 B .98 -UX\*NP HXKJ HFYTIGH 25XKH YSJ 1FX 0071150 34053664034030055400 63611400020045122000 63603405340140051745 04171701050301006435 1E3 C5XE= L B +JP 1E1A5EO+DOOAECA 2 0071154 01004421460517430730 47051157040714334405 37052177310006642000 47723402400254020001 A 99-E08GX+EI.DGL09E4EQ Y F P + 1858-8 A 0071160 37023205057214345402 00013660360103124705 17330607144244053705 21773100066736014001 48ZEE LI-B A3 3ACJ+EOOFGL79E4EQ Y F 3A5A 0071164 17040502360130012177 31000100441700000000 44014100622200000051 02006327020054251757 ODEB3AXAQ Y A 90 946 R (B WB =UD. 0071170 04153024340436640200 54253024340330076020 30035404002030076220 34121400341130066020 DMXT1D3 B =UXT1CXG PXC=D PXG PIJL 11XF P 0071174 30220503010044143024 34143023220007772300 30003413144502005625 01006443020063273664 XRECA 9LXTILXSR G S X 1KL+B ,UA 88 W3 0071200 14666020142034014064 04131006440136644064 04064501366436011125 05640100625101006326 L PLP1A5 DKHF9A3 5 DF+A3 3AIUE A (A V 0071204 02005425115705102000 46773464020057440200 54253046334504153047 16256010301312071011 B =UI.EHP - 1 B .9B =UX-0+DMX+NU HXKJGHI 0071210 35241063352330131074 35231401342214066030 30341074322307100511 30341207101132240702 2TH 25XKH 25LA1RLF XX1H 25GHE1X1JGH12TGB 0071214 05030100441430451007 21000100622034061620 34071466602030063412 16016220140034112000 ECA 9LX+HGQ A P1FNP1GL PXF1JNA PL 11P 0071220 60003413304633450402 30463414144502005625 30643405366401006326 30055400645214000200 1KX-0+DBX-1LL+B +UX 1E3 A VXE= 1L B 0071224 45122000645134053401 40051745041217010437 01004421460517430724 14334405370521773077 +JP (1E1A5ED+DJOAD4A 94-E08GTL09E4EQ X 0071230 06671472340550054700 54054701370506721434 54004700366036010312 47051733060714424405 F L 1E/E+ =E+A4EF L1= + 3 3ACJ+E00FGL79E 0071234 37052177307706673601 40011704050236013001 21773100010044170000 44014200622200000040 4EQ X F 3A5A0DEB3AXAQ Y A 90 9A7 K 5 0071240 02005425302434250100 44210200640130243411 14040200562503660200 64016500442675400371 B =UXTIUA 998 AXTIILDB +UC B A 9V 5C 0071244 02006401366402005425 14006400442630245400 62677740626603610200 64016400442674400371 B A3 B =UL 9VXT= 5 CB A 9V 5C 0071250 02006401670044266500 44267040342503660200 64016600442665004426 30257240036602006401 B A 9V 9V 51UC B A 9V 9VXU 5C B A 0071254 64004426774020001477 17010576640044217740 17000361140503021404 10113404020054252000 9V 5P L DAE 9Q 50 C LECBLDHIIDB =UP 0071260 01236010301404243020 31213122312305173024 17220614302410063411 30043413304534461445 AS HXLDTXPYQYRYSEDXTORFLXTHF11XD1KX+1-L+ 0071264 02005625034001004414 01006400020054253024 17400614200064343401 20006436340236014001 B .UC5A 9LA B .UXT05FLP 11AP 31B3A5A 0071270 04053324057301004414 36024002045134014001 13373324440103670010 00006247625162616266 DEOTE A 9L3B5BD(1A5AK40T9AC H 0071274 62736275630163036305 63126314631763236325 6332633400000000000 34040400150400000054 ACEJLOSUZI LDD MD 0071300 30025400163530113403 60266030360360401403 60203021101431221647 63731617302304030100 XB= N2XIIC V X3C 5LC PXQHLYRN\* NDXSDCA 0071304 20063032167710710502 14013445146660113040 34050516140434121455 02000336301134403014 PFXZN H EBLA1+L IX51EENLDIJL B C3XI15XL 0071310 34413442056201001772 14063417307761171073 02000513140454000105 14666010304234123406 1617E A O LF10X OH B EKLD- AEL HX71J1F 0071314 30433407314552000106 07263040341114550200 03365600175330143446 05143615031261120556 XdIGY+) AFGVX51IL B C3, O\$XL1-EL3MCJ JE, 0071320 01000420777300000000 30713532307154001132 20777677353206035500 11323026101431276171 A DP X 22X = 12P 0071324 11333007160154001131 53000106043320301131 02000563060416010442 36153071352710633526 IOXGNA- IY\$ AFDOPXIYB E FDNAD73MX 2WH 2V 0071330 36073443530001060506 34073443304634063442 37450407010016433046 54001131054254001131 3G18\$ AFEF1G18X-1F174+DGA N8X-= IYE7= IY 0071334 54001132300362406170 11401427617311452000 11310200056306041601 04563615020005663077 = IZXC 5 I5LW I+P 1YB E FDNAD+3MB E X 0071340 63171073140010133305 34113006220037773412 30073413144302000336 30150424307416226010 OH L HKOELIXFR 4 LJXGIKLBB C3XMDIX NR H 0071344 30112177001706061421 34111440020003361402 60103613100716356370 20311400343237036230 XIQ OFFLQ1IL5B C3LB H3KHGN2 PYL 124C X 0071350 14653410302110143122 16036110750034040455 0102245700000000000 42230500765500000021 L 1HXQHLYRNC H 1DD ABT. 0071354 40011142051050000476 54007724301634010306 30164403301754030001 40013412500100013413 5A17EH/ D = TXN1ACFXN9CXO=C A5A1J/A A1K 0071360 14610200033630111377 05103011510005156004 30041007060301000173 14026004600630041014 L B C3XIK EHXII EM DXDHGFCA A LB D FXDHL 0071364 33050471020077640405 36051063350403663707 06033706360730061014 33070200776405663004 OED B DE3EH 2DC 4GFC4F3GXFHLOGB 0071370 10143305621001007701 01007763601030111377 43011006331010065301 00010364000076610260 HLOE HA AA HXIK BAHFOHHFSA AC 0071374 42052000756700000034 40020421400122002100 05132000562254007505 02000566200675000200 7EP 158DQ5AR Q EKP .R= EB E PF 0071400 04421400033154000107 46021406341030776110 75003074163563737500 40011220043201007534 D7L CY= AG-BLF1HX H X N2

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79/10/30. 15.19.49. NOS 1.4 STUDY DUMP. NOS 1-8J03T/R28.

0071404 30715500766350007531 22004017540001035000 75333410500001020403 54100001140054000102 X / YR 50 = AC/ O1H/ ABDC = HAL = AB0071410 14000110000002000566 50007532540001034001 10100740100107135000 75331601340240025400 L AH B E / Z= AC5AHHG5HAGK/ ONA1B5B= 0071414 01022000026244024001 10130736101607302006 75000200044250007531 10140622200075000200 ABP B 9B5AHKG3HNGXPF B D7/ YHLFRP B 0071420 04425000010512100406 14360200033601000114 01007637100507630100 75341400020003363074 D7/ AEJHDFL3B C3A ALA HHEG A IL B C3X 0071424 16206010301111220450 50000112540077700000 05763701055730741635 62010351757375310556 NP HXIIRD// AJ= E 4AE.X N2 ACL YE, 0071430 23062000107300000031 24002400020011342000 00000405233523000200 04760100111314440200 SFP H YT T B IIP DES2S B D A IKL9a 0071434 03360100011434462007 11465400111410635400 11050351010011335000 02603435500002613436 C3A ALI-PGI-- ILH - IECLA 10/ B 12/ B 13 0071440 20001211340614033506 40061277043533351014 53060001333605655006 00025400111440061071 P JIIFLC2F5FJ D202HL\$F A03E /F B= IL5FH 0071444 12375400110540061064 05163053127710143354 10760404107232560705 14121102010011220100 J4- IE5FH ENX\$J HLO-H DDH Z+GELJIBA IRA 0071450 11330123242311460215 23041146032006051146 04010305114605202215 11464603132011460622 IOASTSI-BMSDI-CPFEI-DACEI-EPRMI--CKPI-FR 0071454 05211150460415201154 46041504115446040520 11524604050411521004 33332161110611161146 EQI/-DMPI=-DMDI=-DEPI)-DEDI)HD00Q IFINI-0071460 40230620112200000000 41041100055100000052 10560100055703140100 05620334010005651400 55FPIR 6DI E( )H+A E-CLA E CLA E L 0071464 34134471020007660370 54000613477107053107 53000631040302000671 14040200075371000612 1K9 B G C = FK\* GEYG\$ FYDCB F LDB G\$ FJ 0071470 05325000056003355400 06451063540006404771 07053107230006300403 02000671407104032000 EZ/ E C2- F+H - F5+ GEYGS FXDCB F 5 DCP 0071474 00001135020007537300 06440516500005636600 06517540540006701412 02000753140171000013 I2B G\$ F9EN/ E F( 5= F LJB G\$LA K 0071500 05253013052401000667 00003076601030100574 30776204147202000336 37144471310754000631 EUXKETA F X HXHE X DL B C34L9 YG= FY 0071504 03040331540001040200 07663012041202000753 70402200200034130563 14104511307716016010 CDCY= ADB G XJDJB G\$ 5R P 1KE LH+1X NA H 0071510 14000200075314047300 00110521500006710100 06517400200005020100 07526400105376001601 L B G\$LD IEQ/ F A F( P EBA G) H\$ NA 0071514 65000747067401001053 01000765500001103410 33130471137710060734 05113010121004067640 G\*F A H\$A G / AH1H0KD K HFG1E1XHJHDF 5 0071520 16010703640010043077 62041433020003364500 50101035340036103014 17000570307760043010 NAGC HDX DLOB C3+ /HH21 3HXLO E X DXH 0071524 44110340301344710317 06120644065106530662 07220740074707540756 07601003100610231431 91C5XK9 COFJF9F(F\$F GRG5G\*G\*G\*G\*G\*HCHFHSLY 0071530 01000263500001031064 21001401540007345000 05545400077401000507 42041100747300000050 A B / ACH Q LA= GI/ E== G A EG7DI 0071534 76102000273103043402 20002331036700001410 34105010750054101055 37100672307762041472 HP WYCD1BP SYC LH1H/H =HH 4HF X DL 0071540 02000336350140011237 34103004321045013010 05672000060752000671 10573410107634125000 B C32A5AJ41HXDZH+AXHE P FG) F H.1HH 1J/ 0071544 01020406541005601400 54000102407110711760 06376502757267027570 70423414754414120200 ABDF=HE L = AB5 H O F4 B B 71L 9LJB 0071550 07537050340154000104 14230200075314247103 75360433754177110414 14123400370007121601 G\$ /1A= ADLSB G\$LT C 3D0 6 IDLLJ1 4 GJNA 0071554 06760617640276157403 32770676754001007745 22024003040214021106 11070100774630011015 F FO B M CZ F 5A +RB5CDBLBIFIGA -XAHM 0071560 04700606500075462200 02000464200001645500 77175000755210060715 30011011064410030605 D FF/ -R B D P A U/ IHFGMXAHIFYHCFE 0071564 40022177100006411421 01007746500001010503 50000645440234011554 54000560170354001055 5BQ H F6LQA -/ AAEC/ F+9B1AM-- E OC- H 0071570 14430100061006721477 54000103500005635400 05602000106154000563 50000645440230015400 LBA FHF L = AC/ E = E P H = E / F+9BXA= 0071574 06451400540006403707 14043411200002635400 10554002540077653413 30771602637077171601 F+L = F54GLD1IP B = H 5B= 1KX NB UNA 0071600 63700000637001021427 02000336441101000262 00000000751075630613 42231100756200000035 ABLWB C39IA B H FK7SI 0071604 50000105120405250200 05662006750002000442 30776370750017016170 75625000750454007564 / AEJDEUB E PF B D7X 0071610 50000105120404030100 06725000766134102000 75653402560076223401 40010463401010710200 / AEJDDCA F / 1HP 1B, R1A5AD 5HH B 0071614 76674010127702007667 36104301056554020001 20005755440220067562 02000442034075367546 SHJ B 3H8AE =B AP . 9BPF B D7C5 3 -0071620 75567562000001007666 34001003330013702100 33334402360203650100 76015000753316013414 , A 1 HCO K Q 009B3BC A A/ ONAIL 0071624 23000560040214323411 50001065053050007531 12200456400112400434 50007552220007775100 S É DBLZ1I/ H EX/ YJPD,5AJ5DI/ JR G ( 0071630 06133410500075534310 44103610500075544310 44104002040444141400 44022000026254007620 FK1H/ \$8H9H3H/ =8H9H5BDD9LL 98P B = P 0071634 01007567500006132177 10000610401444022000 10564414560010651414 01110610770201040102 A / FKQ H FH5L9BP H,9L, H LLAIFH BADAB 0071640 42271100773200000010 36075000061354000631 30020527560077745000 01010407500005605400 7HI Z H3G/ FK- FYXBEH, / AADG/ E -0071644 05630100067202000566 50000105121004061436 02000336010001141500 01000557000077360000 E A F B E / AEJHDFL3B C3A ALM A E. 3 0071650 34150200107300000037 20000112603014016010 30132200030034456416 11265700120157001202 1MB H 4P AJ XLA HXKR C 1+ NIV. JA. 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-IBASCY ABAX 0071754 04000001476100046000 00000000006100046000 51100000010311000145 54610040000014346000 D A\* D D (H ACI A+= 5 L1 0071760 51100001411061146000 51100000660321000152 51100001421061146000 51600001435110000001 (H A6H L (H CQ A)(H A7H L ( ABCH A 0071764 10611010000014246000 20652010000014446000 51100000010311000155 00000000006100046000 H HH LT P PH L9 (H ACI A n 0071770 51100000010311000156 71602203140400000154 71102203142760120652 12662010000014446000 (H ACL A, RCLD A= HKCLA JF)J PH L9  $0071774 \quad 00000000000100046000 \quad 53120201730331000163 \quad 03010001635110000001 \quad 03010001610400000164$ D SJBA CY A CA A (H ACA A D A 0072000 20151460006100046000 71601523072065212661 01000001446100046000 0000000006100046000 PML n MSGP QV A A9 D 0072004 20630121617361020123 03210001672015113116 20636516000017774660 12116040000017046000 P AQ BASCO A PHIYNP N U - JI 5 OD 0072010 0000000000000000000 55111414050701145503 17152011140522552320 05031106110504570000 ILLEGAL COMPILER SPECIFIED. 0072014 0000000000000000000 01022001411406011073 01040301411406031073 02012401411406151073 ABPAGLEAH ADCAGLECH BATAGLEMH 0072020 03111744647703401073 03152301411406271205 03200401411406341073 03201501411406451073 CTO9 C5H CMSA6LFHJECPDA6LF1H CPMA6LF+H 0072024 03203401411406531073 03223401411406661073 03253001411407011073 03261401411407021073 CP1A6LF\$H CRIA6LF H CUXA6LGAH CVLA6LGBH 0072030 04040601411407101073 04112301411407121073 04170701411407261073 04232001411407321073 DDFA6LGHH DISA6LGJH DOGA6LGVH DSPA6LGZH 0072034 04233401411407431073 05141501411407521073 05302501411407541073 05310501411407561073 DS1A6LG8H ELMA6LG3H EXUA6LG=H EYEA6LG+H 0072040 06042001411407661073 06242001411410001073 10061501411410071073 11140401411410111073 FDPA6LG H FTPA6LH H HFMA6LHGH ILDA6LHIH 0072044 11152301411410131073 14040445274404251073 14042145337101671073 14042245265700651073 IMSA6LHKH LDD+W9DUH LDQ+O A H LDR+V. H 0072050 14061545474402741073 14203401411410251073 15140401411410351073 17252401411410431073 LFM+\*9B H LP1A6LHUH MLDA6LH2H OUTA6LH8H 0072054 17354101411410461073 20061546035607101073 20062501411410611073 20112001411410711073 026A6LH-H PFM-C,GHH PFUA6LH H PIPA6LH H 0072060 21010347030703621073 21012001411410771073 21061501411411031073 22041501411411141073 QAC\*CGC H QAPA6LH H QFMA6LICH RDMA6LILH 0072064 22202645610002771073 23022001411411211073 23061501411411231073 23112001411411341073 RPV+ B H SBPA6LIQH SFMA6LISH SIPA6LIIH 0072070 23141401411411441073 23152001411411551073 23200401411411601073 23241501411411611073 SLLA6LI9H SMPA6LI H SPDA6LI H STMA6LI H 0072074 24032345112410431073 24143001411411651073 24150701411411671073 26051201411411731073 TCS+ITH8H TLXA6LI H THGA6LI H VEJA6LI H 0072100 27221501411411761073 30232001412700031073 33012501412700060000 33012645433601730000 WRMA6LI H XSPA6W CH DAUA6W F DAV+83A 0072104 33020645412500760000 33022001412700070000 33031101412700150000 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H 2MDA6WA JD2RPA6WA H 2SAA6WA 13 0072204 35230201412701761136 35230301412702061136 35230401412702071136 35230501412702111136 2SBA6WA I32SCA6WBFI32SDA6WBGI32SEA6WBII3 0072210 35230601412702121136 35230701412702131136 35231001412702151136 35231101412702171136 2SFA6WBJI32SGA6WBKI32SHA6WBMI32SIA6WB0I3 0072214 35240401412702201073 35241601412702321073 35241746436403263231 36010101412702441647 2TDA6HBPH 2TNA6HBZH 2TO-8 CVZY3AAA6HB9N# 0072220 36010201412702511647 36010301412702604635 36010401412702611501 36010545216703034635 3ABA6WB(N\*3ACA6WB -23ADA6WB MA3AE+Q CC-2 0072224 36010645247201655056 36010701412702621647 36011001412702655056 36020101412702663267 3AF+T A /, 3AGA6HB N\*3AHA6HB /, 3BAA6HB Z 0072230 36020201412702703267 36020301412702723267 36020401412702743267 36020501412702753267 388A6WB Z 38CA6WB Z 38DA6WB Z 38EA6WB Z 0072234 36020601412702764051 36030101412703001610 36030201412703031610 36030301412703061610 3BFA6WB 5(3CAA6WC NH3CBA6WCCNH3CCA6WCFNH 0072240 36031301412703072151 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44014047113000366227 8XCA6WG M 9AAA6WG 9A1\*H \* W9A5\*IX 3 W 0072450 44014147116700506227 44014247124000376227 44020101412710406222 44050101412710727001 9A6\*1 / W9A7\*J5 4 W9BAA6WH5 R9EAA6WH 0072454 44060101412711317436 44070101412711336336 44110101412711441773 44120101412711707773 9FAA6HIY 39GAA6HIO 39IAA6HI9U 9JAA6HI 0072460 44320101413000023111 44330101413000125703 00000147143000311073 000000000000000000 9ZAA6X BY190AA6X J.C A+LX YH 0072464 02032300000000000000 000000000040040736 02030600000000000 000000000000040040770 BCS 5 D G 0072470 06150400000000000000 00000000000040041022 23312305041124000001 05720000000040041102 FMD 5DHRSYSEDIT AE 5DIB 0072474 4004000000000000236 01202005160400000014 00170000000040050345 0124240103100000000 5D BBAPPEND L O 5EC+ATTACH 0072500 03100116070500000000 04050611160500000000 070524000000000000 160527000000000000 CHANGE DEFINE GET NEW 0072504 1714040000000000000 20010313160115000000 20052215112400000000 202522070500000000 OLD PACKNAM PERMIT PURGE 0072510 22052014010305000000 23012605000000000000 4010000000000000 2006012403340000000 REPLACE PFATC1 SAVE 5H 0072514 00000000000040050362 2006030124340000000 000000000040050405 20060317203134000000 SEC PFCATI **SEDEPFCOPY1** 0072520 00000000000040050452 20060425152034000000 0000000000040050476 20061417010434000000 5ED1PFDUMP1 **SED PFLOAD1** 0072524 0000000000040050554 200623000000000000 0026000000040050636 2006141701040000000 5EE=PFS FV 5EF3PFLOAD 0072530 20060425152000000000 20060301240000000000 2006012403000000000 20060317203100000000 PFDUMP PECAT PFATC PECDPY 0072534 4004000000000000155 2025220701141400000 0016000000040050663 0317160611070000000 5D A PURGALL N SEF CONFIG 0072540 00360000000040050725 11162324011414000001 0106000000040050750 400400000000000125 3 SEGUINSTALL AAF 5EG/50 AU 0072544 1523110000000000000 0063000000040050754 061401270000000000 400400000000003726 MSI В 5EG=FLAW 50 44 0072550 15220503000000000001 00300000000040051013 40040000000000106 01030317251624000003 MREC 5EHK5D AFACCOUNT A X C 0072554 0006000000040060127 06011511143100000000 252305220000000000 4016000000000000252 F **SFAHFAMILY** USER 5N B) 0072560 03100122070500000001 00220000000040060134 404600000000001014 1123060000000000001 CHARGE AR 5FAL5-HLISF 0072564 00220000000040060155 4004000000000000125 15170426011400000003 017700000000040060170 R 5FA 5D AUMODVAL CA 5FA 0072570 14111511242300000000 20012323271722000000 4014000000000014372 20221706111405000001 LIMITS PASSHOR 5L AB PROFILE A 0072574 0137000000040060326 4044000000000002516 230623000000000000 00000000000040060417 A4 5FCV59 UNSES 5F00 0072600 05353333032000000000 00400000000000060635 1324230415200000000 00710000000040060651 E200CP 5 5FF2KTSDMP 5FF( 0072604 14110224012313000000 02510000000040060666 04012401040506000000 00000000000040061025 LIBTASK 5FHU 8 ( SFF DATADEF 0072610 04012401150120000000 0000000000000000001170 04020617221500000000 00000000000000000000 DATAMAP SEL DBFORM 5GAD 5GB=TAFNAMA 5 GDB 0072620 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0072660 24010624230600000000 0000000000000000070752 2401062423070000000 0000000000000000070755 TAFTSF 5GG1TAFTSG 5GG 5GG TAFTSO 5 G G 5GH9TAFTS2 5616 0072674 01230311110000000002 00030000000040100323 032305240000000000 2001221124310000000 ASCII BC **SHCSCSET** PARITY 0072700 26011416052400000000 0000000000000000100325 2405140530000000001 05020000000040100443 VALNET 5HCUTELEX AEB **5HD8** 0072704 4004000000000000000 2405140530340000000 000000000040100546 2405140530350000000 50 TELEXI SHE-TELEX2 0072710 0000000000040100643 2405140530360000000 000000000040100644 1101060530000000001 5HF8TELEX3 5HF91AFEX 0072714 0473000000040100706 4004000000000000000 1101060530340000000 0000000000004010101 D 5HGF5D **IAFEXI** 5HHA 0072720 11010605303500000000 00000000000040101101 11010605303600000000 0000000000040101102 IAFEX2 5HIAIAFEX3 5HIB 0072724 1101060530370000000 000000000000040101112 0214011613000000001 0016000000040101156 IAFEX4 **5HIJBLANK** SHI, 0072730 4044000000000001343 15010716052400000000 0100000000040101172 15010716052434000001 59 KBMAGNET A 5HI MAGNETI 51 150 ASSIGN н 51 0 0072740 14010205140000000000 22052125052324000000 22052317252203000000 26231600000000000000 LABEL REQUEST RESOURC VSN 0072744 1406150000000000000 2006150000000000000 22052100000000000 4064000010000000224 LFM PFH REQ 5 н 8 T 0072750 06112215414130000000 000000000000040110251 03012401141707000001 01070000000040110304 F1RM66X SIBICATALOG AAG 51CD 0072754 40010000000000000000 0301241411232400000 0042000000040110322 031320000000000000 CATLIST 7 **5ICRCKP** 0072760 01020000000040110347 2306200000000000000 402400000000000253 03171515051624000023 AB 51C+SFP B&COMMENT S 5 T 0072764 00150000000040110366 0530112400000000000 15061400000000000 151704050000000000 M MODE SIC EXIT MFL 0072770 16170530112400000000 16172205222516000000 17160530112400000000 1716232700000000000 NDEXIT NORERUN ONEXIT MSNO 0072774 17060623270000000000 20221724050324000000 22052225160000000000 2206140000000000000 GFFSW PROTECT RERUN RFL 0073000 22171414172524000000 23052401231400000000 23052412231400000000 2305242022000000000 ROLLOUT SETASL SETUSL SETPR 0073004 23052424140000000000 2325110000000000000 2327112403100000000 2523050320250000000 SETTL SUI SWITCH USECPU 0073010 0301141400000000002 00450000000040110402 0717241700000000000 400400000000000400000 CALL B + SIDEGOTO 50 0073014 11060000000000000000 00160000000040110415 4040000000000000 0317162605222400000 IF A N 5IDM55 CONVERT  $0073020 \ 00760000000040110426 \ 0317203100000000006 \ 0122000000040110444 \ 0317203102060000000$ 51DVCOPY FAR 51D9COPYBF 0073024 03172031051100000000 03172031022200000000 0317203130000000000 24031720310000000000 COPYEI COPYBR COPYX TCOPY COPYSBF CI SIEFCOPYCF 0073034 03172031032200000000 40010000000000000000 03172031414200000000 00560000000040110516 COPYCR 5 A COPY67 SIEN 0073040 03172031424100000000 00560000000040110523 040504000000000013 4053000000040110530 CQPY76 SIESDED K58 5IEX 0073044 0405200000000000000 0415040503230000000 0415200503230000000 04150400000000000000 DEP DMDECS DMPECS DMD 0073050 041520000000000000 140203000000000000 14170300000000000 20020300000000000 DMP LBC LOC PBC WBR 5P A \$ CVL 0073060 00030000000040110603 4024000010000000000 04013106111405000004 01020000000040110605 C 51FC5T H DAYFILE DAB SIFE DFD ELD 55 0073070 04170315051624000000 61150000000040110630 0504112400000000001 0120000000040110666 DOCMENT M SIFXEDIT AAP 51F 0073074 4001000000000000000 05162125112205000004 00340000000040110733 14051607241000000000 5A ENQUIRE D 1 51GOLENGTH 0073100 23240124252300000000 23251515012231000000 400400000000000000 06031720310000000000 STATUS SUMMARY 50 FCOPY 0073104 00450000000040110757 0213232000000000017 00100000000040110772 03171515171600000000 5IG.BKSP 0 H 5IG COMMON 0073110 04112320172305000000 05261103240000000000 1417031300000000000 172524000000000000 DISPOSE EVICT LOCK DUT 0073114 20221115012231000000 22051601150500000000 23131120051100000000 23131120060000000000 PRIMARY RENAME SKIPEI SKIPF 0073120 23131120060200000000 23131120220000000000 2305241104000000000 25161417031300000000 SKIPFB SKIPR SETID UNLOCK 0073124 27221124050600000000 27221124052200000000 06162414232434000000 000000000000040111001 WRITEF WRITER **FNTLST1** SIHA 0073130 1005142000000000000 0031000000040111026 072422000000000001 62570000000040111053 HELP Y **5IHVGTR** Α. 5 IHS 0073134 03172031220600000000 14110205041124000001 000000000000040111073 4001000000000000000 CDPYRF LIBEDIT A 51H 5A 0073140 14112324140200000001 00350000000040111141 40400000000000000 1411232443330000000 LISTLB A 2 511655 LISTO  $0073144 \ \ 00550000000040111155 \ \ 14174235000000000000 \ \ 00410000000040111172 \ \ 0314050122000000003$ 511 L072 6 5II CLEAR С 0073150 00100000000040120026 22052425221600000000 22052711160400000000 25161417010400000000 5J VRETURN. REWIND UNLOAD 0073154 15231722240000000000 00000000000000120032 1617240500000000001 00100000000040120036 MSORT 5J ZNOTE AH 5J 3 0073160 05162405220000000000 2001031300000000000 00270000000040120044 2205230521000000000 ENTER 5J 9RESEQ PACK 0073164 0060000000040120051 22052324012224000001 0102000000040120071 40240000450000400000 5J TRESTART AAB 5J 5T • 5 0073170 22172524050000000000 000700000000040120106 2317222400000000000 614000000000040120114 ROUTE G 5 JAF SORT 5 5 JAL 0073174 23250215112400000000 01010000000040120125 2404251520000000000 0062000000040120144 SUBMIT AA **5 JAUTDUMP** 5JA9 0073200 24221504050600000000 00170000000040120157 26052211063100000001 0133000000040120175 TRMDEF 5JA. VERIFY AAO 5 JA 0073204 400100000000000000000 26063114110200000001 62070000000040120216 4001000000000000000 5A VFYLIB A G 5 JBN5A 0073210 30050411243534100000 01420000000040120234 3005041124000000000 01130000000040120402 XED[T21H A7 **5JBLXEDIT** AK 5 JDB 0073214 30050411243400000000 000000000000040120467 30050411243500000000 00000000000040120513 XEDITI 5JD XEDIT2 5 JEK 0073220 13221716220506000000 63420000000040120530 15170411063100000000 03710000000040120552 KRUNREF 5 JEXMODIFY C 5 JE1

EXPRESS 11 DSDI - V2.0 RA = LC. 79/10/30. 10.59.40. PAGE 0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. NOS 1-8J03T/R2B. NOS 1.4 STUDY DUMP - DSDI SAMPLE. ZERO WORD CPU O OFF ACPL 000060 0 D. D 0000000 FWA RESIDENT PP LIB RPLP 000001 00046477 T CPU O CP ASSIGNMENT NUMBER OF PP-S PPUL 0024 0000 CPU O EXCHANGE ADDRESS CPU CONFIGURATION CPUL 0075 00045776 7777 CPU 1 OFF 000061 0 MEMORY SIZE/100 MFLL N FWA PP LIBRARY DIR PLDP 000002 00072015 GPM Ţ= 0000000 CPU 1 CP ASSIGNMENT 1600 NUM OF CONTROL POINTS NCPL 0024 CPU 1 EXCHANGE ADDRESS 00001600 ADDRESS PP COMM AREA PPCP 5400 PXPP 000062 000000000000 D N FWA DF BUFFER POINTERS DFPP 000003 5640 ,5 DL/ ADDRESS OF PPU2 XP 00046016 00041450 FWA DF DUMP BUFFER FIRST WORD OF PP XP 000063 0004322400000000000 DZT DAYFILE DUMP ENABLED 0000 RESERVED 000064 000000000000000000000 RESERVED 000065 00000000000000000000 NUMBER OF EXCESS DF FWA FILE NAME TABLE FNTP 000004 6020 С, ZERO LOCATION ZERL 000066 00000000000000000000 LWA+1 FILE NAME TABLE RESERVED CPUMTR/MTR 000067 00000000000000000000 0000 000070 00000000000000000000 00035670 FWA JOB CONTROL AREA 000071 00000000000000000000 ESTP 000005 5720 FWA EQUIP STAT TABLE 000072 00000000000000000000 .P P. LWA+1 EQUIP STAT TABLE 000073 00000000000000000000 LWA+1 OF MS EQUIPMENTS 5760 000074 00000000000000000000 00000000 000075 00000000000000000000 FWA ECS/PP BUFFER RESERVED 000006 00010016 A N G.O RESERVED MTRL 000076 040000007600 FWA USER LIBRARY DIR. LBDP 00075633 CPUMTR EX ADD FOR MTR 00000000 ECS SIZE/1000 MEFL 0000 EQ CPSL CPSL 000077 0004313200 DYZ 03 CLDP 000007 00072464 GT PS FWA CPU LIBRARY DIR G.F F 0 0000000436 FWA -COS- FORMAT CLD 00075706 CHANNEL 0,1,2,3,4 CTIL 000100 00000015000000000007 М 00 CHANNEL 5,6,7,10,11 000101 00030000001100010000 С IA ACCEAM FIELD LENGTH CHANNEL 12,13,14,15,16 000102 001700000000000000000 INSTALLATION WORD O INOL 000010 00000000000000000000 CHANNEL 17,20,21,22,23 000103 00000000000000000000 INSTALLATION WORD 1 INIL 000011 00000000000000000000 CHANNEL 24,25,26,27,30 000104 00000000000000000000 INSTALLATION WORD 2 IN2L 000012 00000000000000000000 CHANNEL 31,32,33,34,35 000105 00000000000000000000 INSTALLATION WORD 3 IN3L 000013 00000000000000000000 RT CLOCK IMAGE - SEC RTCL 000106 00103257 HZ. BC6 INSTALLATION WORD 4 IN4L 000014 00000000000000000000 RT CLOCK IMAGE - MS 000203417074 INSTALLATION HORD 5 INSL 000015 00000000000000000000 RESERVED 000107 00000000000000000000 INSTALLATION WORD 6 IN6L 000016 00000000000000000000 RESERVED PFNL 000110 0 KAA INSTALLATION WORD 7 IN7L 000017 00000000000000000000 TOTAL PF SYS INTERLOCK n CMRL 000020 00000000000000000 PF ACTIVITY COUNT CMR SIZE/100 000000000 0760 RESERVED SYSTEM LABEL 000021 23312324051555 SYSTEM DEFAULT FAM EQUIP NUM 13 0000 ALTERNATE FAMILY COUNT 01 LIBDECK NUMBER 0 RESERVED RECOVERY MODE **WORD INTERLOCK** JSNL 000022 0000000000 A C XO SECONDS TILL LABEL CHECK 000111 0007 G F JOB SEQ NUMBER COUNTER 01033017 SECONDS TILL 1CK CALL 0006 00 000000000000 AECL 000023 0000 INHIBIT ERROR LOGGING SCRL 000112 0 AVAILABLE USER ECS 0000 **EMERGENCY STEP SET** 00000000 RESERVED 0000000000 AVAILABLE MEMORY ACML 3033 CM SECDED ERRORS 0000 JOB SCHEDULER MSCL 000024 0000 A EVQ LCME SECDED ERRORS CPU RECALL DELAY BITS 59-0 CHAN 16 S/C S16L 000113 3313422000000000000 PP/AUTO RECALL DELAY 0001 BITS 119-60 000114 00000000600100040113 A DAK JOB ACTIVITY DELAY 7605 BITS 179-120 000115 0000000000001600000 Λ JOB SWITCH DELAY RESERVED 000116 000000000000 2621 INTERNAL \*MTR\* FLAG ECRL 000025 0000 BITS 203-180 00000000 FIRST TRACK FOR USERS BITS 59-0 CHAN 36 S/C \$36L 000117 4030100000000000000 5XH

BITS 119-60

000120 00000000600100000113

A AK

NUMBER OF USER 1K BLOCKS

RA = LC. 0000000 CM 16.23	.30. 79/08/17. (35) CYBER 174 S	EXPRESS 1		30. 10.59.40. PAGE NOS 1.4 STUDY DUMP — DSD	2 DI SAMPLE.
ECS RA/1000B FOR CP 0	0000		BITS 179-120	000121 000000000000000200000	n P
ECS FL/1000B FOR CP 0	0000		RESERVED	000122 000000000000	, H H
JULIAN DATE JO	AL 000026 00000000004244353544	79229	BITS 203-180	10000010	
PD	TL 000027 00000000	IH QPW3	MACHINE IDENTIFICATION MMFL	000123 4135	62
YEAR - BIASED BY 1970	11		RESERVED	00	<b>5</b> 2
MONTH	10		LINK DEVICE EQ	00	
DAY	21		FLAG REG RECOVERY INTERLOCK	0	
HOUKS	20		RESERVED	0	
MINUTES	27		INITIALIZED EQ COUNT	00	
SECONDS	36		MACHINES STATUS	0000	
	ML 000030 55344157353657363357		MACHINE INDEX	0000	)
	L 000031 55424450334350344257		RESERVED	000124 0000000000000000000000	)
SYSTEM FITLE LINE	000032 55513640525503310205		RESERVED EFRL	000126 00000000000000	
	000033 22553442375523501655		FLAG REGISTER IMAGE	000000	)
	000034 41353355031423105700	620 CL SH.	RESERVED INHL	000127 000000000000000	
51.5 <b>7</b> 511 1151 551 511 511	000035 00000000000000000000		DISABLE FLAGS	· o	
SYSTEM VERSION NAME	000036 16172355344643123336			000	
	000037 24502235025700000000	T/R2B.	FATAL ERROR/SUBSYS ABORT	0	1
	CL 000040 000000000000000	A		000130 00000000	.A F
SCHEDULER REQUEST FLAG	0		*MXN* TIME - MICS.	5601	•
SCHEDULER CYC INTERVAL	0001		WORST CASE MTR CYCLE	0006	
SCHEDULER ACTIVE FLAG	000041 0	HD 1	CURRENT MTR CYCLE TIME	0000	
ECHEDINED OCCALL TIME	000000000			000131 0000000000	UPR
SCHEDULER RECALL TIME	00100434		COUNT OF CH MOVES	0000252022	
	RL 000042 00	A BCC	JOBS ROLLED SD2L	000132 00165675	N, 2KNP
CPU2 MULTIPLIER INDEX	00		SECTORS ROLLED	0000 35 13 16 20	
ASSUMED REVOUNCH MOOF	0000			000133 0000	82
ASSUMED KEYPUNCH MODE	0		ROLLOUTS DUE TO USER LIMIT	00000235	
ACCUMED CHAR SET CONN	00		TIME SLICE ROLLOUTS	00007062	
ASSUMED CHAR SET CONV	L Amas			000134 0000000000	HS
ASSUMED NOT TARE DENSITY	0002		PP PRIDRITY EXCHANGE	0000001023	
ASSUMED NT TAPE DENSITY	03		RESERVED	000135 0000000000000000000	
TRACK TYPE/MT DENSITY	03			000136 00000000000000000000	
		7 TMT 7		000137 00000000000000000000	
DISABLE USER ECS, PF/MS V.	iL 0			000140 00000000000000000000	
IGNORE/DISABLE ACCOUNT DISABLE SUB-SYSTS/REMOV D	0			000141 00000000000000000000	
DISABLE Q PROT/SEC USER/SO	_			000142 0000000000000000000	
DISABLE TAF/NAM/RBF	<del>-</del>			000143 00000000000000000000	
DISABLE SUB-CP, MCS, CDCS	7			000144 0000000000000000000	
DISABLE SOB CITY NEST COCS	3			000145 00000000000000000000	
DISABLE SIMULATED SCR	40000			000146 0000000000000000000	
ENGR/LOCK/DEBUG STATUS	1			000147 00000000000000000000	
ENONYEGENYDEBOG 31X103	2 0000			000150 00000000000000000000	
TELEX CONTROL POINT SSO	L 000044 0001			000151 0000000000000000000	
EXPORT/IMPORT	0000	A SRB		000152 0000000000000000000	
BATCHIO	0023			000153 0000000000000000000	
MAGNET	0023			000154 00000000000000000000	
TAF	0002			000155 00000000000000000000	
STIMULATOR	000045 0000	CQ		000156 00000000000000000000	
NIP	0003	L Y		000157 0000000000000000000	
RBF	0021			000160 00000000000000000000	
COCS	0000			000161 00000000000000000000	
MCS	0000		DSO - 1DS PARAMETER BLOCK	000162 0000000000000000000	
MASS STORAGE CONTROL (MSM)				000163 0000000000000000000	
TRANSACTION STIMULATOR	0000			000164 000000000000000000000000000000000	
RESERVED FOR CDC	0000				
				000199 000000000000000000000	

EXPRESS 11 RA = LC. 0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. 0000 RESERVED FOR CDC RESERVED FOR CDC - 0000 000047 00000000000000000000 RESERVED RESERVED PPAL 000050 0000000000000000 IR ADDR NEXT PPU 5520 000051 00000234257717455000 81U O+/ IDLE TIME MS ERR PROC. LOAD CODE MSEL 000052 3076 X HXHE XA CM 6010 3010 LDD CM 0574 NJN LMSE 3001 LDD Tl STD CM+3 000053 3413 IKL71JL B LDN 187 1442 3412 STD C M+2 14610200 MONITOR SPLM C3XLA A MONITOR SPLM (LOW 12 BITS) 000054 0336 LDD CM+3 3014 01000177 LJM **PLL11** CON 7761 7761 000055 00000000000000000000 RESERVED 000056 00000000000000000000 CP FOR STORAGE MOVE CMCL 000057 7777 PX Z INTERNAL TO MTR 7620300032000000

DSDI - V2.0 79/10/30. 10.59.41. PAGE 3 NOS 1-8JO3T/R28. NOS 1.4 STUDY DUMP - DSDI SAMPLE.

RA = SC. 0000000 SCR

16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH.

EXPRESS 11 DSDI - V2.0 79/10/30. 10.59.41. PAGE 4 620 CLSH. NOS 1-8J03T/R28. NOS 1.4 STUDY DUMP - DSDI

NOS 1.4 STUDY DUMP - DSDI SAMPLE.

STATUS/CONTROL REGISTER O (CHANNEL 16)

## STATUS/CONTROL REGISTER 1 (CHANNEL 36)

BITS 203	- 144	0003 0000 0000	0000 0000	BITS 203 - 1	44 1000	0010 0000	0000 0000	
BITS 143	- 72	0160 0000 0000	0000 0001 0000	BITS 143 -	72 0020	0000 0000	0000 0000	0000
81TS 71	- 00	1216 3313 4220	0000 0000 0000	8175 71 -	00 0001	4030 1000	0000 0000	0000

RA = XP. EXPRESS 11 DSDI - V2.0 79/10/30. 10.59.41. PAGE 0000000 CPR 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. NOS 1-8JO3T/R2B. NOS 1.4 STUDY DUMP - DSDI SAMPLE. CPUO HARDWARE REGISTERS - ON CPUL HARDWARE REGISTERS - ON 42126 AO 0 80 2075 AO 20000 BO RA 0 A1 60 B1 1 377700 A1 1503 B1 15 FL 777700 AZ 45777 BZ 45776 FL 20000 A2 1515 B2 5 EM 70070000 A3 45777 B3 44574 EM 70000000 A3 1531 83 17777 RAE 0 A4 46001 B4 0 RAE 0 A4 0 B4 3441 FLE 0 A5 44575 B5 0 FLE 0 A5 2172 B5 1 MA 0 A6 60 B6 45776 MA 1600 A6 3440 B6 0 0 A7 41757 B7 0 0 A7 1516 B7 6 XO 0000 0000 0000 0004 5776 D. XO 0000 0000 0000 0001 X1 0000 0000 0000 0000 0000 X1 0000 0000 0000 0000 0000 X2 0000 0000 0000 0004 4574 D+ X2 0000 0000 0000 0000 0000 X3 0000 0000 0000 0004 5776 D. X3 0000 0000 0000 0000 0000 X4 0400 0000 0000 0000 0000 D X4 0000 0000 0000 0000 0000 X5 0000 0000 0000 0000 0000 X5 0000 0000 0000 0000 0000 X6 0000 0000 0000 0004 5776 D. X6 0000 0000 0000 0000 0000 X7 0000 0000 0000 0004 5776 D. X7 0000 0000 0000 0000 0100

RA = JC. 00000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. DSDI - V2.0 79/10/30. 10.59.41. PAGE 6 NOS 1-8J03T/RZB. NOS 1.4 STUDY DUMP - DSDI SAMPLE.

JUB CONTROL AREA BY ORIGIN TYPE

SYOT

INITIAL QUEUE PRIORITY IN LOWER BOUND UPPER BOUND PRIORITY AGE INTERVAL CURRENT INTERVAL COUNT INITIAL QUEUE PRIORITY RO LOWER BOUND UPPER BOUND PRIORITY AGE INTERVAL CURRENT INTERVAL COUNT INITIAL QUEUE PRIORITY OF LOWER BOUND UPPER BOUND PRIORITY AGE INTERVAL CURRENT INTERVAL COUNT	035671	0700 3000 0001 0000 1 6000 0100 1000	.G X A H	A	INITIAL CPU PRIORITY CPU TIME SLICE - MS+64 CM TIME SLICE - SEC  MAX NUMBER JOBS/USERS MAX FL FOR ANY JOB MAX FL FOR JOBS MAXIMUM ECS ANY JOB MAXIMUM ECS ALL JOBS LIMIT FOR SIZE OF DAF LIMIT FOR NUMBER OF PF LIMIT CUMM SIZE IAPF RESERVED SYSTEM EVENT TAG	PFCT	035674 035674 035675	0100 0020 00000000 7777 7777 7777 7777	AA P
INITIAL QUEUE PRIORITY IN LOWER BOUND UPPER BOUND PRIORITY AGE INTERVAL COUNT INITIAL QUEUE PRIORITY ROLUMER BOUND UPPER BOUND PRIORITY AGE INTERVAL CURRENT INTERVAL COUNT INITIAL QUEUE PRIORITY OT LOWER BOUND UPPER BOUND PRIORITY AGE INTERVAL CURRENT INTERVAL COUNT EIOT	QT 035701	2000 4010 0001 0000 2400 1010 4004 0001	T P 5H T HH5D		INITIAL CPU PRIORITY CPU TIME SLICE - MS*64 CM TIME SLICE - SEC  MAX NUMBER JOBS/USERS MAX FL FOR ANY JOB MAX FL FOR JOBS MAXIMUM ECS ANY JOB MAXIMUM ECS ALL JOBS LIMIT FOR SIZE OF DAF LIMIT FOR NUMBER OF PF LIMIT FOR SIZE IAPF RESERVED SYSTEM EVENT TAG	PFCT	035704 035704 035705	0400 0200 00000000 7777 7777 7777	XD B
INITIAL QUEUE PRIORITY IN LOWER BOUND UPPER BOUND PRIORITY AGE INTERVAL CURRENT INTERVAL COUNT INITIAL QUEUE PRIORITY RO- LOWER BOUND UPPER BOUND PRIORITY AGE INTERVAL CURRENT INTERVAL COUNT INITIAL QUEUE PRIORITY OTO LOWER BOUND UPPER BOUND UPPER BOUND PRIORITY AGE INTERVAL CURRENT INTERVAL COUNT	OT 035711	2400 4010 0001 0000 3400 1400 4006 0001	1 T 5H 1 L 5F		INITIAL CPU PRIORITY CPU TIME SLICE - MS*64 CM TIME SLICE - SEC  MAX NUMBER JOBS/USERS MAX FL FOR ANY JOB MAX FL FOR JOBS MAXIMUM ECS ANY JOB MAXIMUM ECS ALL JOBS LIMIT FOR SIZE OF DAF LIMIT FOR NUMBER OF PF LIMIT CUMM SIZE IAPF LIMIT FOR SIZE OF IAPF RESERVED SYSTEM EVENT TAG	PFCT	035713 035714 035715	0400 0200 000000000 7777 7777 7777	XD B

RA =	JC.		EXPRESS 11	0.SV - 1020	79/10/30.	10.59.41.	PAGE	7	
0000000	CM	16.23.30. 79/08/17. (35) CYBER 174 S/N	620 CLSH.	NOS 1-8J03	T/RZB.	NOS 1.4 STUDY		DSD1 '	SAMPLE.

TXOT						
INITIAL QUEUE PRIORITY INC	T 035720 4000	5 4 F A	INITIAL CPU PRIORITY	SVJTO	35723 0030	х 5 н
LOWER BOUND	3770		CPU TIME SLICE - MS+64		0040	, ,,
UPPER BOUND	7006		CM TIME SLICE - SEC		0010	
PRIORITY AGE INTERVAL	0001				00000000	
CURRENT INTERVAL COUNT	0000		MAX NUMBER JOBS/USERS	0	35724 7777	
INITIAL QUEUE PRIORITY ROO	IT 035721 4004	50 45 A	MAX FL FOR ANY JOB		7777	
LOWER BOUND	3740		MAX FL FOR JOBS		7777	
UPPER BOUND	7000		MAXIMUM ECS ANY JOB		7777	
PRIORITY AGE INTERVAL	0001		MAXIMUM ECS ALL JOBS		7777	
CURRENT INTERVAL COUNT	0000		LIMIT FOR SIZE OF DAF	PECT O	35725 0	
INITIAL QUEUE PRIORITY OF	T 035722 0200	B A A	LIMIT FOR NUMBER OF PF		0	
LOWER BOUND	0100		LIMIT CUMM SIZE TAPE		0	
UPPER BOUND	7000		LIMIT FOR SIZE OF TAPE		0	
PRIORITY AGE INTERVAL	0001		RESERVED		0000000000000000	
CURRENT INTERVAL COUNT	0000		SYSTEM EVENT TAG	ETB O	35726 0000000000000000000	
MTOT						
INITIAL QUEUE PRIORITY INC	T 035730 6774	A	INITIAL CPU PRIORITY	SVITO	35733 0031	YD
LOWER BOUND	6700		CPU TIME SLICE - MS+64		0400	10
UPPER BOUND	7400		CM TIME SLICE - SEC		0060	
PRIORITY AGE INTERVAL	0001		on time selde sed		00000000	
CURRENT INTERVAL COUNT	0000		MAX NUMBER JOBS/USERS	0.	35734 7777	
INITIAL QUEUE PRIORITY ROO		5 A	MAX FL FOR ANY JOB	U.	7777	
LOWER BOUND	4000	, ,	MAX FL FOR JOBS		7777	
UPPER BOUND	7400		MAXIMUM ECS ANY JOB		7777	
PRIORITY AGE INTERVAL	0001		MAXIMUM ECS ALL JOBS			
CURRENT INTERVAL COUNT	0000		LIMIT FOR SIZE OF DAF	DECT OF	7777 35735 0	
INITIAL QUEUE PRIORITY OTO		Δ . Δ	LIMIT FOR NUMBER OF PF	FFCI U	19739 0	
LOWER BOUND	0100		LIMIT CUMM SIZE HAPF		<b>U</b>	
UPPER BOUND	7700		LIMIT FOR SIZE OF TAPE		0	
PRIORITY AGE INTERVAL	0001		RESERVED TAPE		V	
CURRENT INTERVAL COUNT	0000		SYSTEM EVENT TAG	CTD 03	0000000000000000	
TEMPERATURE COUNTY	0000		SISIEN CACMI INC	CIB U.	35736 00000000000000000000	

RA = CP,12/XTAFP. EXPRESS 11 DSD1 - V2.0 79/10/30. 10.59.41. PAGE 8
0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. NOS 1-8J03T/R28. NOS 1.4 STUDY DUMP - DSDI SAMPLE.

#### 2400 - CONTROL POINT 12

#### CP12 EXCHANGE PACKAGE

11336 AO 2252 BO 0 (A0)=0000 0000 0000 0002 4042 B57 (B0)=0000 0000 0000 0000 0000 KA 432600 A1 1 81 1 (A1)=0000 0000 0000 0000 5601 A (B1)=0000 0000 0000 0000 5601 . A FL 55700 A2 65 82 777765 (A2)=4000 0000 0000 0004 1614 5 DNL (82)=0000 0000 0000 0000 0000 70070000 A3 13044 B3 E.M 0 (A3)=0000 0016 2503 1405 2523 NUCLEUS (B3)=0000 0000 0000 0000 0000 RAE 0 A4 114 84 2 (A4)=0100 0000 0003 5104 3403 A C(D1C (B4)=1116 2025 2400 0000 4610 INPUT -11 450 (A5)=1075 5376 5051 7003 0454 H \$ /1 CD= (85)=0100 0000 0255 6503 5732 A B C.Z FLE 0 A5 2452 85 1 86 26072 (A6)=0000 0000 0000 0000 5601 MA 2400 A6 •A (B6)=0000 0000 0000 0000 5771 0 A7 12706 B7 777001 (A7)=0000 0351 0003 5204 3403 C( C)D1C (B7)-0000 0000 0000 0000 0000 XO 0000 0000 0000 0000 0000 (X0)=0000 0000 0000 0000 0000 XI 0000 0000 0000 0000 0000 (X1)=0000 0000 0000 0000 0000 X2 0207 0620 0000 0000 0000 BGFP (X2)=0000 0000 0000 0000 0000 X3 0000 0016 2503 1405 2523 NUCLEUS (X3)=0000 0000 0000 0000 0000 X4 0100 0000 0003 5104 3403 A C(DIC (X4)=0667 0433 7646 0004 6000 F DO - D X5 0000 0000 0000 0000 0000 (X5)=0000 0000 0000 0000 0000

### PARAMETER SUMMARY

JOB NAME	ALHY024	CPU STATUS	1
USER NUMBER	AD2000	SENSE SWITCHES	00
PRIMARY FILE		KCL R1	000000
ORIGIN TYPE	TXOT	KCL R2	000000
TIME USED	1122727	KCL R3	000000
TIME REMAINING	6701550	KCL EF	04
QUEUE PRIORITY	7000	CPU PRIORITY	030

X6 1404 2120 0000 0001 2703 LDQP AWC (X6)=0104 3533 0730 0000 0002 AD20GX B X7 0000 0351 0003 5204 3403 C1 C1D1C (X7)=0667 0433 7646 0004 6000 F DO - D

MESSAGE 1 - ADZOGX,9,C.
MESSAGE 2 -

CURRENT CONTROL STATEMENT - \_ADZOGX,9,C.

LAST DAYFILE MESSAGE - 16.22.36.AD20GX,9,C.

SPECIAL ENTRY POINTS

### CONTROL POINT AREA

CPU STATUS/AUTO RECALL STSW 002420 1 8VE. HA JOB SEQUENCE NUMBER RFCW 002474 01022207 ABRG CPU SUB-CP ACTIVE CONTROL STATEMENT ADDRESS 000000 NUMBER PPS ASSIGNED 01 DEM FILE RANDOM INDEX 000000 ERROR FLAGS 0000 RESERVED ALMH 002475 0000 1-ACTIVITY COUNT 0000 MAX MAGNETIC TAPES KA/100 4326 MAX REMOVABLE PACKS FL/100 0557 MAX DEFER BATCH JOBS JUB NAME JNMW 002421 01141531333537 ALMY024C MAX LOCAL WORK FILES JOB ORIGIN CODE MAX TIME LIMIT OPER ASSIGNED FOULP DAEW 0000 MAX SRU LIMIT CPU PRIDRITY JCIH 002422 0030 MAX FIELD LENGTH QUEUE PRIDRITY 7000 MAX ECS FIELD LENGTH

RA = CP.12/XTAFP. EXPRESS 11 DSDI - V2.0 79/10/30. 10.59.45. PAGE 0000000 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. NOS 1-8J03T/R2B. NOS 1.4 STUDY DUMP - DSDI SAMPLE. CPU STATUS FOR ROLLOUT MAX LINES PRINTED 77 00 MAX CARDS PUNCHED 77 ROLLOUT REQUESTED RESERVED ACLW 002476 0000 MI K- X 00 DAYFILE MESSAGES COUNT 1552 CPUS ALLOWABLE 000000 CONTRUL STATEMENTS CNT 7777 TSCW 002423 00100441 CM RESID TIME LIMIT HD6A B DISPOSED OUTPUT COUNT 13 QUEUE CONTROL MS PRUS COUNT 467330 CPU TIME SLICE LIMIT 0000027771 ACCOUNT ACCESS WORD AACH 002477 00000000002700002555 TIME ENTERED X STATUS CPCW 002424 00000000000000000000 LENGTH BUFFER O ICAW 002500 0000 JOB CONTROL FLAGS ECSW 002425 0000 ADDRESS BUFFER O 000000 REMOV. PACK INTERLOCK CPIW LENGTH BUFFER 1 0000 RESERVED 0000000 ADDRESS BUFFER 1 000000 ECS RA/1000B 0000 SP ENTRY POINT FLAGS SEPW 002501 4000 ECS FL/1000B RESERVED 0000 PP INPUT REGISTER RLPW 002426 00000000000000000000 DMP= PARAMETER VALUE 000000 PUNCH MODE/OVERRIDE SNSW 002427 0 SSJ= PARAMETER ADDRESS 000000 0000000 ENTRY POINT NAME SPCW 002502 000000 RESERVED-INSTALLATION 0000 SYSTEM PROCESSOR FLAGS 00 PP PAUSE FLAGS PARAMETER 000000 SENSE SWITCHES PARAMETER LIST ADDRESS 000000 CCL - EFG JCDW 002503 04 MESSAGE 1 AREA MS1H 002430 01043533073056445603 AD20GX,9,C CCL - R1G 000000 002431 570000000000000000000 . CCL - DATA 0000 002432 00000000000000000000 RESERVED 00000000 002433 00000000000000000000 CCL - EF JCRW 002504 04 002434 00000000000000000000 CCL - R3 000000 MESSAGE 2 AREA MS2W 002435 00000000000000000000 CCL - R2 000000 002436 00000000000000000000 CCL - RI 000000 002437 00000000000000000000 SECURE MEMORY FLAG DBAW 002505 0 INSTALLATION WORD O INOW 002440 0000000000000000000 ECS AND CM CMM MODE FLAGS INSTALLATION WORD 1 INIW 002441 0000000000000000000 INPUT BUFFER ADDRESS 000000 INSTALLATION WORD 2 IN2W 002442 0000000000000000000 RIGHT SCREEN BER ADD 000000 IN3W 002443 00000000000000000000 INSTALLATION WORD 3 LEFT SCREEN BFR ADD 000000 INSTALLATION WORD 4 IN4W 002444 0000000000000000000 MAP OPTIONS LB1W 002506 00 INSTALLATION WORD 5 IN5H 002445 00000000000000000000 RESERVED 000000 INSTALLATION WORD 6 IN6W 002446 00000000000000000000 INTERACTIVE DEBUG CONTROL 0000 INSTALLATION WORD 7 IN7W 002447 000000000000000000000 GLUBAL LIB INDICATORS 00000000 LIMIT FLAGS SRUW 002450 0000 \*G F7 SECOND LIB/GLOBAL IND LB2W 002507 00000000000000000000 **OVERFLOW FLAGS** 00 FIRST LIB/GLOBAL IND LB3W 002510 00000000000000000000 SRU ACCUMULATOR 00004707630642 RESERVED PPDW 002511 0000 CP ACCUM (NANOUNITS/4) CPTW 002451 00000002452211750000 B+RI ECS FL FOR DMP = CALL IO ACCUMULATORS IOAW 002452 05034620000000001502 EC-P FL FOR DMP= CALL MB 0000 M13 = M1 + M3MP1W 002453 000036 3 3 DUMP WORD COUNT M14 = M1 + M4000036 FWA OF DUMP 000000 ADDER ACCUMULATOR 000000 \$\$0W 002512 0000000000000000 M1 \* 1000 MP2W 002454 023420 BIP O/ **DUTSTANDING CONNECT COUNT** 0000 M12 = M1 + M2 001750 COMPUTED CP TIME LIMIT CPLW 002513 00000005677572611400 E RESERVED 00000000 002514 0000000000000000000 CPM MP3W 002455 0000026164 A +L 002515 00000000000000000000 TOM 0000004514 002516 000000000000000000000 SRU ACCOUNT BLOCK LMT STLW 002456 777770 002517 00000000000000000000 COMPUTED SRU JOB STEP LIMIT 77777777777777 002520 00000000000000000000 RESERVED SRJW 002457 0000 **7HN** 002521 00000000000000000000 SRU JOB STEP LIMIT 777777 002522 00000000000000000000 0000421016 SRU ACCUMULATOR 002523 00000000000000000000 RESERVED CPJW 002460 0000 8P 002524 00000000000000000000 JOB STEP TIME LIMIT

002525 00000000000000000000

RA = CP.12/XTAFP. EXPRESS 11 DSDI - V2.0 79/10/30. 10.59.46. PAGE 10 0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. NOS 1-8J03T/R28. NOS 1.4 STUDY DUMP - DSDI SAMPLE. CP ACCUMULATOR 0000000220 002526 00000000000000000000 FPFW 002461 6 CHARGE PROCESSED T, EB 002527 00000000000000000000 RESERVED 000 CONTROL STATEMENT BFR CSBW 002530 01043533073056445603 AD20GX,9.C SRU VALIDATION LIMIT 7777 002531 57000000000000000000000000 FNT ORD PROFILE FILE 0024 002532 00000000000000000000 LEVEL-3 BLOCK TRACK 5674 002533 00000000000000000000 LEVEL-3 BLOCK SECTOR 0502 002534 00000000000000000000 MAX FL FOR JOB STEP FLCW 002462 3737 44 44 002535 00000000000000000000 INITIAL FL FOR JOB STEP 0000 002536 00000000000000000000 MAXIMUM FL FOR ENTIRE JOB 3737 002537 00000000000000000000 ROLLIN FL 0000 002540 22052425221656230322 RETURN, SCR FL INCREASE REQUEST 0000 002541 57000000000000000000 . JOB STEP MAX ECS FL ELCH 002463 0000 002542 05162125112205561216 ENQUIRE, JN LAST CARD ECS FL 0000 002543 570000000000000000000 . JOB MAX ECS FL 0000 002544 22171414172524563633 ROLLOUT,30 ROLLIN ECS FI 0000 002545 570000000000000000000000 ECS FL INCREASE REQ 002546 07172417560301241411 GOTO, CATLI RULLOUT ALLOHABLE SSCM 002464 0000 002547 23245700000000000000 ST. CONNECTION/HAIT RESPONSES 0000000000000000 002550 22052605222457030314 REVERT.CCL TXUT SUBSYSTEM TXSH 002465 05 E 61 G 002551 5555555555555550000 LIST OF FILES ADDRESS LOFW 000000 002552 05301124570303140000 EXIT.CCL INTERRUPT ADR/PREV ERR TIAW 411107 002553 22052605222456010217 REVERT, ABO **OUTPUT POINTER** TION 000000 002554 22245703031455550000 RT.CCL AUXILIARY PACKNAME PFCW 002466 00000000000000 K 9 002555 00000000000000000000 EST OF FAMILY DEVICE 002556 00000000000000000000 LIMIT FOR SIZE OF DAF 002557 00000000000000000000 LIMIT FOR NUMBER OF PF 002560 00000000000000000000 LIMIT CUMM SIZE TAPF 002561 0000000000000000000 LIMIT FOR SIZE OF TAPE 002562 00000000000000000000 USER NUMBER UIDW 002467 010435333333300 A02000 V 002563 00000000000000000000 USER INDEX 002663 002564 000000000000000000000 NO EXIT AND RPV FLAGS EECH 002470 00 CG 002565 00000000000000000000 002566 0000000000000000000 REPRIEVE DATA 0001 002567 00000000000000000000 TERMINAL INPUT POINTER TINW 000000 002570 00000000000000000000 REPRIEVE DATA 030764 002571 0000000000000000000 INPUT FILE FST TFSW 002471 6101 Α 002572 0000000000000000000 PRIMARY FILE EST 0000 002573 00000000000000000000 RESERVED 00 002574 00000000000000000000 EVENT DESCRIPTOR TERM 000000 002575 0000000000000000000 ROLLOUT TIME PERIOD 0000 002576 0000000000000000000 RESERVED CSPH 002472 0000 5 AAZAZ 002577 00000000000000000000 **EUR FLAG/CS COUNT** 40000001 NEXT STATEMENT INDEX 0132 LIMIT INDEX 0132 INPUT/SKIP FLAGS CSSW 002473 0 EQUIPMENT NUMBER 00 FIRST TRACK 0000 CURRENT TRACK 0000

DAYFILE POINTERS AND BUFFER

0000

0000

0005664 0003 7050 0052 0100 0000 C / JA 0005665 0002 4152 4152 0021 0000 B6161 Q

CURRENT SECTOR

FIRST/SECOND HALF FLAG

RA = CP+12/XTAFP. EXPRESS 11 DSD1 - V2.0 79/10/30. 10.59.46. PAGE 11 0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. NOS 1-8J03T/R2B. NOS 1.4 STUDY DUMP - DSD1 SAMPLE.

0037050 55344157353457364457 22052425221656230322 5700000000000000 55344157353457364457 16.21.39.RETURN,SCR. 16.21.39. 0037054 05162125112205561216 5700000000000000000 55344157353457364457 22171414172524563633 ENQUIRE, JN. 16.21.39.ROLLOUT.30 0037060 5700000000000000000 55344157353557334457 07172417560301241411 232457000000000000000 . 16.22.09.GOTO.CATLIST. 0037070 55344157353557343357 55030124141123245503 17152014052405570000 55344157353557343357 16.22.10. CATLIST COMPLETE. 16.22.10. 0037074 30050411245623032256 16105601235777145001 04353355503477740214 50010435330730507730 XEDIT.SCR.NH.AS. L/AD20 /1 BL/AD20GX/ X  $0037100 \ 0000000000000000000000 \ 55344157353557343357 \ 21000000000000000 \ 55344157353557343457$ 16.22.10.0 16.22.11. 0037104 22052425221656230322 570000000000000000 55344157353557343457 05162125112205561216 RETURN,SCR. 16.22.11.ENQUIRE, JN 16.22.11.ROLLOUT.30. 0037114 55344157353557363457 53012424010310560104 3533073057000000000 55344157353557364157 16.22.31.\$ATTACH,AD20GX. 16.22.36. 0037120 01043533073056445603 5700000000000000000 5700000000000000 55344157353457334157 AD20GX,9,C. 16.21.06. 0037124 22171414172524563633 5700000000000000000 55344157353457364157 07172417560301241411 ROLLOUT, 30. 16.21.36.GOTO.CATLI 0037130 23245700000000000000 55344157353457364157 03012414112324561417 54065614542303225700 ST. 16.21.36.CATLIST.LO=F.L=SCR. 0037134 0000000000000000000 55344157353457364257 55030124141123245503 17152014052405570000 16.21.37. CATLIST COMPLETE. 0037140 55344157353457364257 30050411245623032256 16105601235777145001 04353355503477740214 16.21.37.XEDIT,SCR,NH,AS. L/ADZO /1 BL 0037144 50010435330730507730 0000000000000000000 55344157353457364257 21000000000000000000 /AD20GX/ X 16.21.37.0

#### DAYFILE LINES IN BUFFER

16.21.39.RETURN,SCR.
16.21.39.ROLLOUT.30.
16.22.09.GOTO,CATLIST.
16.22.09.CATLIST.LO=F,L=SCR.
16.22.10. CATLIST COMPLETE.
16.22.10.XEDIT,SCR,NH,AS. L/AD20 /1 BL/AD20GX/ X
16.22.10.0
16.22.11.RETURN,SCR.
16.22.11.ROLLOUT.30.
16.22.31.\$ATTACH,AD20GX.
16.22.31.\$ATTACH,AD2OGX.

## ATTACHED FILES

0030	INPUT+	IN		16 2025 00 0000		I NPUT+	A J E	EST - 5720	0000	0000	0000	2204	1003	RDHC
0060	INPUT	LO		16 2025 75 0000		INPUT	M J D A	EST - 6015	5000	0000	0102	2424	0000	P ABTT
0061	OUTPUT	LO	FNT - 6162 17 FST - 6163 00			OUTPUT	M J D A	EST - 6015	\$000	0000	0102	2424	0000	P ABTT
0062	11111162	LO		32 3232 05 5222		ZZZZZCZ EJRJR		EST - 5725	4200	2120	0000	0411	1250	7 QP DIJ/
0063	GRUO1A	LO		22 2533 02 4140				EST - 5722	6200	0705	0000	0421	1074	GE DQH
0064	DAY	LO		01 3100 02 4163		 DAY 86 6	M J ACE	EST - 5722	6200	0705	0000	0421	1.074	GE DQH

RA =	CP,12/XTAF	Ρ.					EXP	RESS 11	DSDI - V.	2.0	79/10/30.	10.59.46.	PAGE	1.2	
0000000	CM	16.23.30.	79/08/17.	(35)	CYBER 17	4 9	S/N 620	CLSH.	NOS	1-8103	T/R28.	NOS 1.4 STUDY	DUMP -	- DSD1	SAMPLE.

TRACK CHAIN - 4163 0010  0070 GRU01 LO FNT - 6200 U722 2533 3400 0000 1512 GRU01 MJ FST - 6201 0004 5240 5240 0011 0305 DJ515 ICE TRACK CHAIN - 5240 0011  0071 GRU1 LO FNT - 6202 0722 2534 0000 0000 1512 GRU1 MJ FST - 6203 0002 4211 4211 0010 0305 B7171 HCE TRACK CHAIN - 4211 0010  0073 L LO FNT - 6206 1400 0000 0000 1512 L MJ	EST - 5722 6200 0705 0000 0421 1074 GE DQH EST - 5722 6200 0705 0000 0421 1074 GE DQH
FST - 6201 0004 5240 5240 0011 0305 D1515 ICE TRACK CHAIN - 5240 0011  0071 GRUL LO FNT - 6202 0722 2534 0000 0000 1512 GRUL MJ FST - 6203 0002 4211 4211 0010 0305 B7171 HCE TRACK CHAIN - 4211 0010	EST - 5722 6200 0705 0000 0421 1074 GE DQH EST - 5722 6200 0705 0000 0421 1074 GE DQH
FST - 6203 0002 4211 4211 0010 0305 B7[7] HCE TRACK CHAIN - 4211 0010	EST - 5722 6200 0705 0000 0421 1074 GE DQH
0073 1 10 ENT - 6206 1400 0000 0000 1513 1	•
FST - 6207 0002 4142 4142 0176 0707 B6767A GG TRACK CHAIN - 4142 0176	EST - 5725 4200 2120 0000 0411 1250 7 QP DIJ/
0075 LGD LO FNT - 6212 1407 1700 0000 0000 1512 LGO MJ FST - 6213 0005 5221 5221 0001 0505 E)QJQ AEE TRACK CHAIN - 5221 0011	
0143 F LO FNT - 6326 0600 0000 0000 0000 1512 F MJ FST - 6327 0002 4176 4176 0002 0315 B6 6 BCM TRACK CHAIN - 4176 0002	EST - 5722 6200 0705 0000 0421 1074 GE DQH
0156 PROCFIL LO FNT - 6354 2022 1703 0611 1400 1512 PROCFIL MJ FST - 6355 0001 4241 4241 0021 0415 A7676 QDM TRACK CHAIN - 4241 0021	EST - 5721 6200 0705 0000 0421 1005 GE DQHE
0160 C LO FNT - 6360 0300 0000 0000 0000 1512 C MJ FST - 6361 0005 5252 5252 0002 0305 E)))) BCE TRACK CHAIN - 5252 0002	EST - 5725 4200 2120 0000 0411 1250 7 QP DIJ/
0161 TAPE3 PM FNT - 6362 2401 2005 3600 0000 1212 TAPE3 JJ FST - 6363 0007 5702 5365 0042 0301 G.B\$ 7CA TRACK CHAIN - 5702 5746 6016 6121 6122 6123 6124 5365 6135 0076	
0163 GRULIB LO FNT - 6366 0722 2514 1102 0000 1512 GRULIB MJ FST - 6367 0005 5204 5204 0013 0411 EJDJD KDI TRACK CHAIN - 5204 0013	EST - 5725 4200 2120 0000 0411 1250 7 QP DIJ/
0165 NEW LO FNT - 6372 1605 2700 0000 0000 1512 NEW MJ (FST - 6373 0001 4174 4174 0001 0505 A6 6 AEE TRACK CHAIN - 4174 0373	EST - 5721 6200 0705 0000 0421 1005 GE DQHE
0166 XED LO FNT - 6374 3005 0400 0000 0000 1512 XED MJ (FST - 6375 0005 5260 5260 0001 0005 E) ) A E TRACK CHAIN - 5260 0021	EST - 5725 4200 2120 0000 0411 1250 7 QP DIJ/

RA = CP+12/XTAFP. EXPRESS 11 DSDI - V2.0 79/10/30. 10.59.46. PAGE 13 0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. NOS 1-8J03T/R28. NOS 1.4 STUDY DUMP - DSDI SAMPLE.

- 0167 JOBGX LO FNT 6376 1217 0207 3000 0000 1512 JOBGX MJ EST 5722 6200 0705 0000 0421 1074 GE DOH FST 6377 0002 4214 4214 0003 0315 B7L7L CCM TRACK CHAIN 4214 0003
- 0171 AD20GX PM FNT 6402 0104 3533 0730 0001 1212 AD20GX AJJ EST 5727 4200 2422 0000 0411 1422 7 TR DILR FST 6403 0007 6137 6137 0156 0004 G 4 4A, D TRACK CHAIN 6137 6140 6141 6142 6143 6144 6145 6146 6147 6150 6151 6152 6153 6154 6155 6156 6157 6160 6161 6162 6163 6164 6165 6166 6167 6170 6171 6172 6173 6174 6175 6176 6177 6200 6201 6202 6203 0266

### ANALYSIS OF PP26

	ын 003 912 002 000	3 0100 4 0003 2 0044	0000 0001 0002 0001 6123 0342 0427 0012 0000 0000	0024 0005 0021		_	LAS	T OVERL	PROGRAM LOADED : AY LOADED STORAGE DRIVER	- LDQ
	000	0 0000	0000 0000 0000 0000 1110 2120	0000	IHQP	W3				
RESIDENT					DRE CONSTA					
NAME	LOC CA	LLER	NAME	LOC	ACTUAL E	XPECTED				
FTN	0336	1015	RA	55	4322 4	326 ***	WARNING	***		
RCH	0377	0376	FL	56	0547 0	557 ***	WARNING	***		
DCH	0406	0405	ON	70	0001 0	001				
DFM	0442	1567	HN	71	0100 0	100				
EXR	0476	1126	TH	72	1000 1	000				
SMS	0513	1703	TR	73	0003 0	003				
RDS	0560	1462	CP	74	2400 2	400				
WDS	0563	2473	IA	75	5600 5	600				
EMS	0566	1245	O A	76		601		•		
	0000	0003	MA	77		602				

# PPU MEMORY

0000	0003 2020 3541	- 0300 6123 0342	CPP26 C SC7	0010	0033 0100 0002 0001 0024 1073 0157 0302	OA BATHA.CB
0020	0007 6137 6137 0156	6 0004 3700 7707	G 4 4A, D4 G	0030	0314 3335 0003 0157 0002 5672	CLOZ CA. B.
0040	0104 3533 0730	- 0002 0003 0157 2001	ADZOGX B CA.PA	0050	1404 2152 0001 2703 4322 0547 6403	LDQ) AHCBRE* C
0060	7776	6 7651 0001 3224 0001	( AZT A	0070	0001 0100 1000 0003 2400 5600 5601 5602	AA H CT , ,A,B
0100	0005	- 0002 0501 0411	E B EADI	0110	0011 2000 1710 0576 3075 6050 3051 1340	IP OHE X /X(K5
0120	1006 3474 3574 3374	4 3350 0463 1006 0200	HF1 2 0 0/D HFB	0130	0157 0115 0005 3077 6050 1701 6010 1701	A.AM EX /OA HUA
0140	6250 3050 1071 5400	0 0260 0326 3311 1014	/X/H = B CVOIHL	0150	3112 6113 1073 1400 0200 0336 0100 0131	YJ KH L B C3A AY
0160	5400 0261 3413 1063	3 0446 5400 0260 3412	= B 1KH D-= B 1J	0170	1461 0200 0336 3014 0502 3015 3415 5400	L B C3XLEBXMIM=
0200		2 3015 1702 3403 3076	ADXIK E7XHOBICX	0210	6004 0200 0513 1440 5500 0110 4003 3416	
0220		3 0200 0560 0727 3607	/C ALOXCB E GW3G	0230	5300 0106 0504 3407 4003 3406 3016 4403	DB EKL5 AHSCIN
0240		0 0500 3503 5715 0003	XO=C AP E 2C.M C	0250	0545 0200 0566 0100 0153 2000 2725 0304	\$ AFEDIGSCIFXN9C
0260		2 0420 3401 1452 6173	LDOX STOPIAL)	0270	7762 0004 3224 1006 0616 2000	E+B E A A\$P WUCD
0300		7 0334 1457 6010 3010	OAE XHJ CIL. HXH	0310	3374 0512 1411 0325 2000 1720 0676 3076	DZT HFFNP
0320		1620 6010 3013 3455	HXHE)X NP HXK1	0330	3014 3456 3076 6010 1400 0100 1015 0445	O EJLICUP OPF X
0340		3210 0646 2004 6402	1HX HLZZHF-PD B	0350	6010 3010 3111 0572 2004 6374 6370 0271	XLI.X HL A HMD+
0360		3014 0457 1740 0676	PD VH HXLD.05F	0370	1505 3500 0665 1477 6210 0356 0100 0376	HXHYIE PD B
0400		0371 0100 0405 3411	IILJB C3C A DE1I	0410	1404 0200 0336 0371 2004 1450 6173 7763	MEZ F L HC,A C
0420		0200 0336 3011 0564	P FIILER CAXIE	0430	4002 0520 3014 0403 6313 2073 1400 0200	LDB C3C PDL/
0440		2 5400 0435 1063 5400	C3A M 18= D2H =	0450	0421 3076 3401 1410 3400 4002 4400 0402	SBEPXLDC KP L B
0460		3601 6210 3277 3412	383 IME 3A HZ 1J	0470	1703 0403 3014 0557 0100 0420 1126 0200	DOX TALHI 589 DB
0500		0006 0115 0007 1466	A./ D =M FAM GL	0510	6170 0100 0100 1703 2000 5720 3105 6010	OCDCXLE.A DPIVB
0520		0 0102 5000 0110 1340	XLHCNF AB/ AHK5	0530	0556 5000 0104 5200 0107 0420 5500 0107	A A OCP .PYE H
0540		0200 0336 3011 1014	1KL61JL 8 C3XIHL	0550	3112 6113 0556 0340 1377 0100 1056 0100	E+/ AD) AGDP AG
0560		0334 0100 1245 1400	L CLA T CIA J+L	0570	3413 4471 0200 0344 0230 6400 0412 4334	YJ KE,C5K A H,A
0600		0403 0200 0671 1404	GEYGS FYDCS F LD	0610	3413 4471 0200 0766 0370 5400 0613 4771	1K9 B G C = FK*
0620		0640 4771 0705 3107	- F+H = F5+ GEYG	0630	0200 0753 7124 6776 0532 5000 0560 0335	B G1 T EZ/ E C2
0640		7324 6776 0516 5000	128 G\$ T EN/	0650	2300 0500 0403 0200 0671 4071 0403 2000	S E DCB F 5 DCP
0660		0525 3013 0524 0100	G\$LA T KEUXKETA	0670	0563 6624 0651 7564 5400 0670 1412 0200	E TF( = F LJB
0700		4471 3107 5400 0631	L B C34L9 YG= FY	0710	0607 0607 3076 6010 3010 0574 3077 6204	FGFGX HXHE X D
		1112 2227 3100 0031	L D C3127 10- F1	0,10	0304 0331 5400 0104 0200 0766 3012 0412	COCY = ADB G XJDJ

0720 0200 0753 7064 2200 2000 3413 0563 1410 4511 3077 1601 6010 1402 0200 0753 1404 B GS R P 1KE LH 0730 +IX NA HLBB G\$LD 0740 7324 0011 0521 5000 0671 0100 0651 7424 T IEQ/ F A F( T 0750 2000 0502 0100 0661 6424 1053 7624 1601 P EBA F THE THA 6524 0747 0674 0100 1053 0100 0716 5000 TG\*F A H\$A GN/ 0770 0110 3410 3313 0471 1377 1006 0734 0511 AHIHOKD K HEGIEI 1000 3010 1210 0406 7664 1601 0703 6424 1004 XHJHDF NAGC THD 1010 3077 6204 1433 0200 0336 4500 5010 1035 X DLOB C3+ /HH2 3400 3610 3014 1724 0570 3077 6004 3010 1 3HXLOTE X DXH 1030 4411 0340 3013 4471 0317 0612 0644 0651 91C5XK9 COFJE9F( 1040 0653 0662 0722 0740 0747 0754 0756 0760 1003 1006 1023 1431 0100 0263 5000 0103 FSF GRG5G\*G=G.G 1050 HCHEHSLYA B / AC 1060 H Q LA= G1/ E== 1064 2100 1401 5400 0734 5000 0554 5400 1070 0774 0100 0507 1404 2100 1073 ---- 0167 G A EGLDQ H A 0200 1516 0200 1336 0200 1202 3624 3057 1100 B MNB K3B JB3TX. 1110 0402 6220 3644 3053 1006 3155 1006 3154 DB P39X\$HFY HFY\* 1120 6240 3077 6370 1135 1401 3411 1400 3412 5X [ZLAIIL 1J 1130 1460 0200 0336 0100 0114 0020 0052 5024 L B C3A AL P 1/T 1140 ---- 0001 0100 1142 3402 4002 3330 0572 AA I71B5BOXE 5002 0001 3331 0566 5002 0002 3332 0562 /B AOYE /B BOZE 5002 0003 3333 1377 0355 0200 0566 1406 1160 0200 1260 0200 0566 1400 0404 3021 0200 /B COOK C B E LF 1170 B J B E L DDXQB 1200 1442 0100 1201 3065 1014 3366 3201 0755 L7A JAX HLO ZAG 1210 3466 1063 3465 3003 5400 1224 3045 1006 1 H 1 XC= JTX+HF 3155 1006 3146 6301 ---- 3001 3546 1063 1220 Y HEY- A XAZ-H 3545 3047 0503 0100 1172 2000 6776 0200 1230 2+X+ECA I P B 1240 1456 1071 3447 1401 5500 1141 1063 5500 L.H L.LA I6H 1250 1140 3001 0460 1402 3503 0100 1203 0100 15XAD LB2CA JCA 1257 3447 1400 0404 3021 0200 1442 3047 1260 J.1\*L DOXOB L7X\* 1270 1740 0713 5000 1140 3461 5000 1141 3462 05GK/ 151 / 161 1300 2035 1404 0200 0476 3047 1011 3544 0100 PZLDB D X\*HIZ9A 1310 1106 0100 1311 3057 0404 1442 0200 1260 IFA KIX.DDL7B J 1400 0200 0336 3074 1620 6010 3011 0565 1320 L B C3X NP HXIE 1330 3003 0200 0560 0655 0363 0100 1104 1401 XCB E F C A IDLA 1340 5500 1141 2000 6776 0200 1456 1071 3447 16P B L.H 1\* 1402 3503 4003 2300 7700 0535 3003 1605 LB2C5CS E2XCNE 0200 1143 0530 5003 0001 1601 3402 1002 1360 B IBEX/C ANAIBHB 1370 3102 3503 3001 3202 0716 3401 3044 0420 YB2CXAZBGN1AX9DP 4003 1071 1750 0707 1702 0405 1703 0603 1400 5CH O/GGOBDEOCFC 0100 1335 0200 0566 1405 0200 1260 4003 1410 A K2B E LEB J 5C 1420 2300 6000 0567 3053 1006 3155 1006 3154 S E XSHFY HFY= 1430 1601 6030 3003 1605 0200 1143 0553 0100 NA XXCNEB 18ESA 1440 1335 0100 1441 3412 3005 3411 1403 3413 KZA L61JXE1ILC1K 1450 1457 0200 0336 0365 3001 0100 1346 3403 L.B C3C XAA K-1C 1460 0200 0560 0603 0200 1312 5003 0001 3401 B E FCB KJ/C A1A 4003 0505 3401 5003 0001 0457 3407 1006 1470 5CEE1A/C AD.1GHF 1500 0653 1071 3406 1400 3407 3001 1071 0444 F\$H 1FL 1GXAH D9 1510 5003 0001 3401 0100 1455 0100 1102 1400 /C Alaa L a IBL 1520 3457 3053 1237 3453 1014 3354 1702 0705 1.X\$J4L\$HLO=OBGE 1530 1605 1071 3256 0704 1440 0200 1260 3053 NEH Z.GOLSB J XS 1540 1006 3155 1006 3154 6040 1602 6010 1601 HEY HEY = 5NB HNA 1550 6030 3043 1377 3443 3044 2200 0776 3444 XX8K 18X9R G 19 1560 1076 1702 0704 1401 0200 1260 3013 1237 H OBGDLAB J XKJ4 1570 3445 1014 3314 3446 1702 0711 3033 1237 1+HLOL1-OBGIXOJ4 1600 1014 3334 1701 1071 3256 0704 1402 0200 1260 3033 1237 1014 3334 3246 3466 1063 HLO10AH Z,GDLBB J XOJ4HL01Z-1 H 1620 3245 3465 1014 3366 0761 0460 3033 1377 Z+1 HLO G D XOK 1630 1006 3332 1006 0432 3464 1063 1277 3463 HEOZHEDZI H J 1 1640 3053 1006 3155 1006 3154 1602 6030 3040 X\$HFY HFY=NB XX5 1650 2300 7777 0404 0200 1706 0303 0200 1775 S DDB OFCCB O 0200 2174 0200 2011 0604 1404 0200 1260 B Q B PIFDLDB J 3057 0510 0200 0513 1440 5500 0110 0100 1670 X.EHB EKL5 AHA 1515 0200 0513 0100 1515 0100 1655 3040 MMB EKA MMA N X5 1710 2200 3777 3440 0200 2061 0504 1403 0200 R 4 158 P EDLCB 1260 0200 2124 0404 1441 0200 1260 3013 1720 1204 0564 3022 0462 3020 1277 3405 5100 J B QTDDL6B J XK 1730 JOE XRD XPJ 1EC 1740 0515 6000 3000 1006 0651 3021 3406 3014 EM X HFF(XQ1FXL 1750 1071 1112 0520 3013 1230 0415 0200 2142 H IJEPXKJXDMB Q7 1760 0406 3624 3057 6220 0100 1121 5600 1174 DF3TX. PA IQ. I 1770 5600 1262 0100 1705 0100 1774 1404 6010 . J A DEA D LD H 3610 6010 3011 3406 3010 1277 3405 0364 3H HXI1FXHJ 1EC 2010 0100 1664 3006 3400 3000 3406 1075 2101 A N XF1 X 1FH QA 3240 6010 3006 1203 3401 5001 0010 3400 2020 25 HXFJC1A/A HI 2030 1006 0617 1500 5300 0106 3564 0655 3664 HEFOM \$ AF2 F 3 3763 0652 5000 0106 3164 3407 0100 2010 4 F)/ AFY 1GA PH 2050 1071 3264 0773 3063 0467 1500 0367 3457 HZGXDMC1. 2060 0100 1715 1404 6010 1402 3510 6020 3311 A OMLD HLB2H POI 2070 0466 3020 0471 3340 0567 3024 3351 1237 D XPD 05E XTO(J4 0563 3041 3321 0560 3042 3322 0555 3043 E X60QE X70RE X8 2110 3323 1377 0551 3610 3457 0342 3057 6020 OSK E(3H1.C7X. P 1701 6010 1400 0100 1723 3077 6220 3057 2120 OA HL A OSX PX. 2130 3414 1400 3413 1456 0200 0336 3011 0456 ILL IKL,B C3XID. 0362 0100 2141 3005 3411 3006 3412 1402 2140 C A Q6XE1IXF1JLB 2150 3413 1457 0200 0336 3011 0463 1500 3401 1KL.B C3XID M 1A 2160 1400 0200 0336 3074 1620 6010 3011 0551 L B C3X NP HXIE( 2170 3701 0666 0350 0100 1662 0200 0513 3014 4AF C/A N B EKXL 1003 1620 3272 5400 2020 1063 2300 2100 2200 HCNPZ = PPH S Q 2210 5400 2017 0100 2173 ---- 1601 6250 = POA Q NA / 2220 1616 6230 2000 6776 0200 2251 3016 3203 NN XP B R (XNZC 2230 0540 0100 2166 0323 0100 1273 0200 2240 E5A Q CSA J B R5 2240 3044 1337 3444 3057 6220 1701 6240 0364 X9K419X. PDA 5C 2250 0100 2226 5400 2266 3402 3007 1601 4402 A RV= R 18XGNA98 2260 2300 1200 0503 4025 4402 2030 6776 0200 S J EC5U9BPX B 2270 0563 3607 2300 1200 0553 3407 4025 3406 E 3GS J E\$1G5U1F 3625 4025 0545 3076 6010 3010 0574 0200 3U5UE+X HXHE B 2310 0566 0200 2132 0100 2250 0100 1265 3074 E B QZA R/A J X 2320 1625 6010 3014 0411 1401 3412 1400 3411 1421 0200 0336 0363 3056 0457 1400 3412 NU HXLDILATJE II 2330 LOB C3C X.D.L 1J 3411 1421 0200 0336 0367 0100 2345 3065 2340 IILQB C3C A S+X 2350 1006 1603 6010 3045 1003 1006 3111 1006 HENC HX+HCHEYIHE 2360 3165 1006 3112 3447 1063 3446 1014 3147 Y HFYJI+H I-HLY+ 2370 0354 0100 1215 2000 3777 5400 6776 1477 C=A JMP 4 = L 2400 5400 6777 3057 0406 5400 7011 1701 6170 - X.DF = 10A 2410 7000 3005 5400 7005 3006 5400 7006 1427 XE= EXF= FLW 6170 7012 5600 7012 1400 3407 1601 5400 J. JL IGNA= 2430 7007 2030 6776 0200 0563 5000 7007 3407 GPX BE / GIG 0100 2371 0100 1243 3057 0404 1701 6173 A S A J8X.DDOA 2450 7000 1427 6170 7012 3006 5400 7007 3007 LW JXF= GXG 5400 7010 1400 5400 6777 5400 6776 2000 = HL = = P 2470 6776 0200 0563 0100 2442 0005 0010 ----B E A T7 E H 2500 2510 ---- 1603 0600 ---- 0001 1215 0013 4724 NCF AJM K\*T 2520 4724 0001 0005 0303 2014 1701 0401 1215 \*T A ECCPLOADAJM 2530 0013 5130 5132 0703 0405 3232 3232 3204 KCXCZGCDEZZZZZD

16 NOS 1.4 STUDY DUMP - DSDI SAMPLE.

2540 1600 1515 0004 4217 5277 0105 0303 1116 N MM D70) AECCIN 2025 2400 0001 0055 0005 4063 4063 0010 PUT A E55 H 2560 0005 0356 0100 2562 3401 3074 1622 6010 EC.A U LAX NR H 2570 3012 1066 3402 3001 3412 3074 1622 6210 XJH IBXALJX NR H 2600 3002 0360 0100 1110 3037 1104 0504 5000 XBC A IHX4IDED/ 2610 1166 0470 1404 6010 3011 3210 1677 1071 I D LD HXIZHN H 2620 1605 3127 3156 1017 5100 1177 1003 5400 NEYWY, HO( I HC = 2630 3003 1063 5400 3002 3077 6335 2772 1401 XCH = XBX 2W LA 2640 3412 1402 3411 1460 0200 0336 1442 6010 5000 3002 1277 3413 1014 5300 3003 3414 1JLB1IL B C3L7 H 2650 / XBJ 1KHL\$ XC1L 2660 3211 1056 0402 1413 1103 3412 5000 1177 ZIH, DBLKICIJ/ I 0412 3056 2177 7677 0606 1476 0200 0336 DJX.Q FFL B C3 2700 0100 2744 1400 3411 1455 0200 0336 3011 A H9L LIL B C3XI 3405 3520 3014 3421 2400 3406 0426 0200 2710 1E2PXL1QT 1FDVB 2720 0513 3014 1003 1620 3272 5400 2145 1063 EKXLHCNP2 = Q+H 2730 5500 2144 5000 0106 5400 2261 5400 2273 Q9/AF=R=R2740 0200 2132 0100 2602 3052 1201 0413 2000 B QZA VBX1 JADKP 2750 4135 3415 2033 0406 0200 0476 0200 2512 621MPODEB D B UJ 2760 1401 0200 2563 0404 1447 0200 0336 1402 LAB U DOL+B C3LB 0100 1274 0002 0132 4430 ---- 0001 ----2770 A J BAZ9X A 3000 0132 0044 ---- 0204 0100 1102 1400 3427 AZ 9 BDA IBL 1W 3010 1402 3435 3426 3056 2177 7677 5400 1555 LB121VX.Q = M 3020 1403 6010 3051 1237 1001 3110 6030 3436 LC HX(J4HAYH X13 3030 3030 5500 1452 3031 5400 1453 3074 1620 XX L3XY= L\$X NP 3040 6040 1602 6010 1604 6003 1636 6060 1606 5NB HND CN3 NF 3050 6030 2000 0302 3417 3041 1120 0520 5700 XP CBIOX6IPEP. 3060 1372 3017 5400 1233 5400 1235 5400 1263 K X0= J0= J2= J 3070 5400 1104 5400 1116 5400 1231 3003 0511 - ID- IN- JYXCEI 3100 3012 2200 7000 3142 3141 0503 3033 3334 XJR Y7Y6ECX001 3110 0533 3031 1006 0630 3052 1101 0425 3074 **EOXYHFFXX)IADUX** 3120 2100 0101 6010 1601 6040 3040 0515 3010 Q AA HNA 5X5EMXH 3130 1017 0712 3074 1670 6030 3033 1377 3132 HOGJX N XXOK YZ 3140 0503 5400 1166 3074 1601 5400 2214 1624 EC= I X NA= RLNT 3150 6030 1644 6010 1621 6040 3043 1201 0412 XN9 HNQ 5X8JADJ 3160 2000 1401 5400 3645 3743 3074 2100 0112 P LA= 3+48X Q AJ 3170 6240 3034 5400 2011 5400 1177 0507 3056 5X1= PI= I EGX, 3200 5400 1555 3017 5400 1235 3010 3457 3061 - M XO- J2XH1.X 3210 3162 3163 3164 0402 1440 3403 1466 6060 Y Y Y DBL51CL 3220 3011 0415 1701 6135 2477 3052 1101 0504 3230 3053 1020 0604 3011 5400 2123 3074 1621 XIDMOA 2T X)IAED X\$HPFDXI = Q\$X NQ 3240 6040 3003 3444 3043 1277 3437 3052 1101 5XC19X8J 14X1IA 3250 0416 3037 1103 0513 3074 1150 6010 3011 DNX4ICEKX I/ HXI 3260 1014 0603 0200 3766 1501 0334 3017 5400 HLFCB 4 MAC1XO= 3270 1104 5400 1116 5400 1231 3036 6135 7050 ID= IN= JYX3 2 / 3300 3057 0502 1467 1701 6135 7062 3052 1101 X.EBL DA 2 X)[A 3310 0437 3037 1104 0406 3074 1067 0527 0100 D4X4IDDFX H EWA 3320 3527 2136 2221 0200 0476 2000 0220 6010 2WQ3RQB D P BP H 3330 3013 3465 3074 1621 6010 0200 4075 1410 XKI X NO HB 5 LH 3340 3402 0200 2346 6102 7240 0100 3004 3053 188 S- B 5A XDX\$ 3350 1017 0614 5000 3541 5400 1326 3017 5400 HOFL/ 26= KVXO= 3360 1223 5400 1233 0100 3456 3074 2100 0101 JS= JOA 1.X Q AA 3370 6030 1601 6010 3011 1016 0717 3013 1237 XNA HXIHNGOXKJ4 3400 1014 3314 0412 5400 1421 1063 5500 1420 HLOLDJ- LQH LP 3410 2000 1420 5400 1414 3030 1017 0620 3033 P LP= LLXXHOFPXO 3420 1237 1014 3334 0413 1601 5400 1436 1063 J4HLOLDKNA= L3H 3430 5500 1435 2000 1404 5400 1431 3011 1015 L2P LD= LYXIHM 3440 0705 3055 1006 1601 6260 3054 0413 5400 GEX HENA X=DK= 3450 1555 3256 0704 3056 5400 1555 3017 5400 M ZyGDXy= M XO= 3460 1235 3017 5400 1225 5400 1231 5400 1110 HI =YL =UL = 0X SL 3470 3053 1020 0706 3017 5400 1227 5400 1114 X\$HPGFXO= JW= IL 3500 3053 1201 1101 5500 3624 2000 1405 5400 XSJAIA 3TP LE = 3510 3645 1704 5400 3647 3017 5400 3654 5000 3+00= 3+x0= 3=/ 3520 3764 5400 3664 2000 3422 5400 2714 2000 3530 3103 5400 2172 5000 2233 5400 2177 0100 4 = 3 P 1R= WLP YC= Q / RO= Q A 3540 3004 0315 0100 1104 1466 6020 3052 0415 XDCHA IDL PXIDM 3550 1400 3442 3443 2047 0415 3440 1071 1377 L 1718P\*DM15H K 3560 3441 3053 1020 0603 3057 0527 2000 4077 16X\$HPFCX.EWP 5 3570 3420 2000 4135 3415 2033 0206 0200 0476 1PP 621MPOBFB D 3600 2400 0603 0100 3745 3052 1101 0504 2000 T FCA 4+X) IAEDP 3610 7400 3420 1400 3444 3051 1237 3144 2300 1PL 19X(J4Y9S 3620 0100 3444 3052 0413 1400 3543 3053 1017 A 19XIDKL 28XIHO 3630 0606 2000 1400 3544 5500 1161 3074 1622 FFP L 29 I X NR 3640 6010 1640 6030 1601 6003 1401 3424 3056 HN5 XNA CLAITX, 3650 3423 3020 1377 3420 5000 1177 3422 3074 1SXPK 1P/ I 1RX 3660 1671 6010 3012 1013 0627 3014 3424 3013 N HXJHKFWXL1TXK 3670 3422 3012 1006 3420 2000 0300 3544 4131 1RXJHF1PP C 296Y 3700 7777 3413 3012 2200 7600 3412 3074 2100 1KXJR 1JX Q 3710 0071 6210 0310 3024 2177 0014 0704 3074 HCHXTQ LGDX 3720 1076 3420 3033 0404 3423 1400 3433 3434 H 1PXODDISL 1011 3730 3006 0404 3422 1400 3406 3407 3074 1662 XFDD1RL 1F1GX N 3740 6230 1601 6203 0100 3542 3052 1201 0404 XNA CA 27XIJADD 3750 0200 2512 1401 0200 2563 0404 1447 0200 B UJLAB U DDL +B 3760 0336 1402 0100 1274 0336 0100 3765 3074 C3LBA J C3A 4 X 3770 1121 6170 4123 1172 6170 4130 1130 6170 10 651 6X1X 4000 4135 5000 4135 1377 1101 5400 4135 2000 62/ 62K IA= 62P 4010 4123 5400 4136 2000 4142 3415 2033 0125 6S= 63P 671MPOAU 4020 0200 0476 1702 0741 5700 4057 3401 0614 B D 0BG6. 5.1AFL 4030 1400 3411 1466 0200 0336 2004 4060 0200 L IIL B C3PD5 B 4040 0442 0100 3765 3701 0746 5000 0112 5400 D7A 4 4AG-/ AJ= 4050 4051 ---- 0576 1400 0200 0336 0364 0010 51 ELB C3C H 4060 0125 2322 5655 3534 4444 3335 5736 3540 AUSR. 219902.325 4070 2516 2423 5700 ---- 0100 4074 3011 1701 UNTS. A 5 XIOA 4100 1207 1011 3445 2077 4444 3512 3012 2200 JGH11+P 992JXJR 4110 0700 3545 3012 1207 1003 3545 3013 1071 G 2+XJJGHC2+XKH 4120 1733 3545 0351 0100 4123 0200 1541 1607 DOZ+CLA 6SB MGNG 4130 6010 3013 1377 1006 3312 0465 1006 3467 HXKK HEOJD HEL 4140 1063 1237 3466 3013 1237 3462 1014 3314 H J41 XKJ41 HLOL 4150 3463 1702 0603 0100 4331 1602 1006 3166 1 UBFCA BYNBHFY 4160 1014 3167 1071 3256 0630 1466 6010 1400 HLY H Z.FXL HL 4170 3401 3402 3062 3101 1006 3155 1006 3163 TATBX YAHFY HEY 4200 3102 6210 3602 1063 3501 3366 0563 3002 YB H3BH 2AO E XB 4210 3367 0560 3006 0503 0100 4123 0200 4457 O E XFECA 6SB 9. 4220 1701 0506 3002 0504 3003 1101 0465 0200 OAEFXBEDXCIAD B 4230 3732 1400 3425 5400 6764 2000 6764 0200 42L 1U= P B 4240 4420 0411 3625 3066 1014 3167 3201 0604 9PDI3UX HLY ZAFD 4250 3067 3401 0430 3062 1006 3155 1006 3163 X LADXX HEY HEY 4260 6301 6766 3001 3563 1063 3562 3066 1014 A XA2 H 2 X HL 4270 3167 3201 3467 1063 3466 3001 1071 0403 Y ZAI H I XAH DC 4300 0100 4235 0200 0566 3025 0407 5500 1377 A 72B E XUDG K 4310 1063 5500 1376 0332 3044 1240 0513 3057 H K CZX9J5EKX. 4320 6020 2000 0100 5500 3723 3022 3406 3023 PP A 4SXR1FXS 4330 3407 0200 1541 1601 6010 3011 2200 3777 1GB MONA HXIR 4 4340 3411 0200 1541 1601 6210 0100 4123 0100 118 MANA HA 65A 4350 4347 3006 3400 3000 3406 1075 2100 7070 8 \* X F1 X 1 FH Q

RA = CP,12/XTAFP. EXPRESS 11 DSDI - V2.0 79/10/30. L0.59.47. PAGE 17 0000000 PP26 LDQ 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. NOS 1-8J03T/R28. NOS 1.4 STUDY DUMP - DSDI SAMPLE.

4360 6010 3006 1203 3401 5001 0010 3400 1006 HXFJC1A/A H1 HF 4370 0617 1500 5300 0106 3537 0655 3637 3736 FUM & AF24F 3443 4400 0652 5000 0106 3137 3407 0100 4347 1071 F)/ AFY41GA 8\*H 4410 3237 0773 3036 0467 1500 0367 3001 0100 Z4G X3D M C XAA 4420 4417 3403 0200 0560 0603 0200 1565 5003 901CB E FCB M /C 4430 0001 3401 4003 0505 3401 5003 0001 0457 Alasceela/C AD. 3407 1006 0653 1071 3406 1400 3407 4003 1GHFF\$H 1FL 1G5C 4450 0403 5003 0001 3401 0100 4417 0100 4456 DC/C ALAA 90A 9. 1400 3403 3402 3400 3006 1075 2100 7070 L 1C1B1 XFH Q 4470 6010 3006 1203 3401 5001 0010 1006 0612 HXFJC1A/A HHFFJ 1071 3406 5000 0106 3503 1063 3502 3600 4500 H 1F/ AF2CH 2B3 4510 0353 1071 3407 3503 1063 3502 3600 0100 C\$H 1G2CH 2B3 A 4456 0100 4521 3006 1075 2100 7070 6010 9.A +OXFH O 4530 3006 1203 3401 5001 0010 0363 1071 3306 XFJC1A/A HC H OF 0424 3306 3400 1203 3401 5000 0106 3537 DTOF1 JC1A/ AF24 4550 1063 3536 3000 1075 2100 7070 6010 5001 H 23X H Q H/A 4560 0010 1006 0753 1401 0100 4564 3403 3007 HHFG\$LAA + 1CXG 3437 1063 3436 3003 0364 1400 3435 3020 4570 14H 13XCC L 12XP 1277 3405 3023 3407 3022 3406 0403 0200 4600 J 1EXSIGXR1FOCB 4610 4643 3045 0503 0100 3315 1202 0403 0100 -8X+ECA OMJBDCA 4620 3350 3436 1401 3437 3045 1071 1207 3401 0/13LA14X+H JG1A 4630 5001 4634 3401 0101 --- 3540 3477 3440 /A-11AAA 251 15 4640 4575 3670 0100 4611 0200 0513 3014 1003 + 3 A -IB EKXLHC 4650 1620 3272 5400 4357 5400 4467 5400 4526 NPZ = 8...9 = +V5400 4555 1063 2300 2100 5400 4356 5400 4660 \* + H S Q \* 8,\* 4670 4466 5400 4525 5400 4554 0100 4642 ----9 = +U = + = A = 74700 ---- 2313 0214 5323 2100 ---- 0001 0010 SKBL\$SQ A H 4710 4500 ---- 0250 2313 0614 5323 2100 ----B/SKFL\$SQ 4720 0001 ---- 5400 ---- 0261 2313 1120 5323 A = B SKIPSS 2100 ---- 0001 0002 6600 ---- 0262 2313 4730 Aβ B SK 4740 2302 5323 2100 ---- 0001 0001 3000 ----SB\$SQ A AX 4750 0266 2313 2306 5323 2100 ---- 0001 ----B SKSF\$SQ 4760 7700 ---- 0270 2701 2253 2321 ----B WARSSQ 0001 0002 1100 ---- 0272 2705 1730 5323 4770 A BI B WEOXS 5000 2100 ---- 0001 0001 7200 ---- 0275 2215 AA BRM 5010 5315 2307 2300 ---- 0001 0022 1200 ----SMSGS ARJ 5020 0300 2215 5330 0611 2400 ---- 0001 0002 C RMSXFIT A B 5030 0600 ---- 0323 0705 2453 0625 ---- 0016 F CSGETSFU N 0001 0001 4500 ---- 0125 0705 2453 2200 A A+ AUGETSR 5050 ---- 0016 0001 0001 3200 ---- 0127 0705 N A AZ AWGE 5060 2453 2300 ---- 0016 0001 0005 0014 ----TSS NAEL 0131 0705 2453 2700 ---- 0016 0001 ----AYGETSW NΙΔ 5100 7400 ---- 0137 0705 2453 3200 ---- 0016 A4GET\$Z 5110 0001 0001 5100 ---- 0141 0705 2453 2701 A AL AGGETSHA 5120 ---- 0016 0001 0002 2300 ---- 0143 0720 N A BS ABGP 5130 2415 5323 2100 0016 0001 0005 0700 ----TMSSQ N A EG 5140 0146 1401 0214 5322 1500 0016 0001 0003 A-LABLSRM N A C 5150 5000 ---- 0154 1402 2506 5322 1500 0016 / A=LBUF\$RM N 0001 0001 4700 ---- 0160 1404 2224 5301 5160 A A+ A LDRTSA 5170 0100 0016 0001 ---- 3200 ---- 0162 1720 A N A Z A OP 5200 0516 5322 1500 0016 0001 0015 0200 ----ENSRM NAMB 5210 0163 2025 2453 2321 ---- 0016 0001 0007 A PUTSSO N A G 5220 3200 ---- 0201 2025 2453 0311 ---- 0016 Z BAPUTSCI 5230 0001 0001 0700 ---- 0211 2025 2453 0513 A AG BIPUTSEK ---- 0016 0001 0001 5400 ---- 0213 2025 N A A= BKPU 2453 0424 ---- 0016 0001 0001 0200 ----5250 TSOT N A AR 5260 0215 2025 2453 2200 ---- 0016 0001 ----BMPUTSR N A 5270 5000 ---- 0217 2025 2453 2300 ---- 0016 / BOPUTSS 5300 0001 0004 3700 ---- 0220 2025 2453 2700 A D4 BPPUTSW 5310 ---- 0016 0001 0002 5000 ---- 0225 4000 N A B/ BU5 5320 ---- 0141 4000 ---- ---A65 5330 0111 4000 ---- ---- 0066 4000 ----A 15 5 5340 ---- 0245 4000 ---- 0160 8+5 5350 0705 2453 2701 ---- 4000 ----GETSWA ---- 0143 4000 ---- ---- 0072 0720 5360 A85 2415 5323 2100 ---- 4000 ---- ----TMSSQ 5 5400 0146 1401 0214 5322 1500 ---- 4000 ----A-LABLSRM 5 5410 ---- 0154 1402 2506 5322 1500 ----A=LBUF\$RM 5420 4000 ---- ---- 0160 1404 2224 5301 0100 ---- 4000 ---- ---- 0162 1720 A LDRTSA 5430 A 5 A OP 0516 5322 1500 ---- 2324 0624 5322 1500 ENSRM STFTSRM ---- 4000 ---- ---- 0163 0614 2310 5450 5 A FLSH 5460 5323 2100 ---- 2024 0315 5323 2100 ----SSQ PTCMSSQ 5470 2024 0614 5323 2100 ---- 2024 0717 5323 PTFL\$SQ PTGO\$S 2100 ---- 2024 0734 5323 2100 ---- 2024 Q PTG1\$SQ PT 1117 5323 2100 ---- 2024 1420 5323 2100 5510 IOSSQ PILPSSQ ---- 2024 2224 5323 2100 ---- 2025 2453 5520 PTRISSO PUTS 5530 2321 ---- 4000 ---- 0201 SQ 5 5540 4000 ---- ---- 0066 4000 ----5 5550 ---- 0272 4000 ---- ---- 0160 2002 8 5 A PB 1602 5323 2100 ---- 2025 2453 0300 ----NB\$SQ PUT\$C PUAJSYO14CA E 5570 ---- 2025 Oll2 4031 3334 3703 Ol00 0005 5600 5250 ---- 0435 4004 ---- ----1/ 0250 5610 ---- ---- -------- ---- ---- ---- ---- ----5620 5630 --- --- ---- ---- ----5640 ---- 0160 2025 2453 A PUTS 5650 0400 ---- 2025 2453 2400 ----PUTST 4000 ---- ---- 0215 2025 2453 2200 BMPUT\$R ---- 4000 ---- 0217 0614 5670 BOFL 2310 5323 ---- 2025 2453 2300 ----5700 SHSS PUTSS 5710 ---- 4000 ---- ---- 0220 4000 ----5 BP5 ---- 0066 4000 ---- 0160 5720 5 5730 2025 2453 2700 ---- 2025 2453 2706 PUTSH PUTSWF 5740 ---- 2025 2453 2711 ---- 2025 PUTSWI PH 5750 2453 2724 ---- 4000 ---- ----TSHT 0225 2025 2453 3200 ---- 2025 2453 BUPUTSZ PUT\$ 5770 3224 ---- 4000 ---- 0230 2 T ВХ 6000 2025 2453 2701 ---- 4000 ----PUTSWA ---- 0232 4000 ---- ---- 0072 2205 825 RE 6020 2014 5323 2100 ---- 4000 ---- ----PLSSQ 5 6030 0235 2205 2753 2321 ---- 4000 ----BZREWSSO 5 4000 ---- ---- 0245 4000 ----6040 ---- 0242 2220 0553 2321 ----87RPE\$SQ 6050 B+5 ---- 0111 4000 ---- ---- 0066 4000 6070 ---- 0160 2313 0214 5323 2100 AI5 A SKBLISQ 6100 ---- 4000 ---- ---- 0250 2313 0614 5 **B/SKFL** 6110 5323 2100 ---- 4000 ---- 0261 \$ S Q 5 6120 4000 ---- ---- 0111 4000 ----AI5 6130 ---- 0066 4000 ---- 0245 4000 8+5 5 6140 ---- ---- 0160 2313 1120 5323 2100 A SKIPSSO 6150 ---- 4000 ---- ---- 0262 2313 2302 5 B SKSB 6160 5323 2100 ---- 4000 ---- 0266 1SQ 5 6170 2313 2306 5323 2100 ---- 4000 ----SKSF\$SQ 5

RA = CP.12/XTAFP. EXPRESS 11 DSDI - V2.0 79/10/30. 10.59.47. PAGE 18
0000000 PP26 LDQ 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. NOS 1-8J03T/R2B. NOS 1.4 STUDY DUMP - DSDI SAMPLE.

6200 0270 2701 2253 2321 4000 B WAR\$SQ 5 6210 0272 2215 5000 4000 0275 4000 5 B 5 6230 0272 2215 5000 2215 5316 2401 0200 4000 RM\$NTAB 5 6250 0300 2215 5330 000 0300 2215 2453 000 0300 2215 5330 000 0300 2215 5330 000 0300 2215 5330 000 0300 2215 5330 000 0300 2215 5330 000 0300 2215 5330 000 0300 2215 5330 000 0300 2215 5330 000 0300 2215 5330 000 0300 2215 5330 000 0300 2215 5330 000 0300 2215 5330 000 0300 2215 5330 000 0300 2215 5330 000 0300 2215 5330 000 0300 2215 5330 000 0300 2215 5330 000 0300 2215 5330 000 0300 2215 5300 000 0300 2215 5300 000 0300 2215 5300 000 0300 2215 5300 0	0305 2401 0200 B RMSETAB 0611 2400 4000 C RMSXFIT 5
6320 0213 4000 0201 4000 BK5 BA5 6330 0066 4 6340 0272 4000 0160 2025 2453 B 5 A PUT\$ 6350 0400 02025 2 6360 4000 0215 2025 2453 2200 5 BHPUT\$R 6370 4000 6400 2310 5323 0225 2453 2300 SH\$\$ PUT\$\$ 6410 4000 6400 2310 5323 0265 2453 2300 0160 5 A 6430 2025 2453 2700 6440 0265 2453 2711 0265 PUT\$WI PU 6450 2453 2724 046460 0225 2025 2453 3200 2025 2453 BUPUT\$Z PUT\$ 6470 3224 0400 4000 0500 2025 2453 2701 0232 4000	2453 2400 D PUTST 0217 0614 5 BOFL 0220 4000 5 BP5 2025 2453 2706 PUTSW PUTSWF TSWT 5
6520 5525 1622 0503 1726 0522 0504 5515 UNRECOVERED M 6530 0123 2355 2324 1722 0504 2257 5517 2605 2214 0131 5514 1723 R. OVERLAY LOS 6550 2457 05660 5002 7500 0470 3310 0516 5002 7501 3311 /B D OHEN/B A01 6570 0512 5002 7502 3312 0500 1377 0452 1405 3502 0353 0100 6277 3010 K D)LE2BC&A XH 6610 2300 1725 0572 3011 2502 2300 2524 0562 3013 1377 0357 3232 3232 S UTE XKK C.ZZZZ 6630 3217 2500 1500 0075 6640 4411 2000 4507 5400 2237 3074 1650 6010 91P +G= R4X N/H 6650 1615 6030 3030 1071 5560 3010 2200 2400 0410 1065 0402 1403 1102 XHR T DHH DBLCIB 6670 1006 5500 4676 5000 26700 5000 2504 1277 5500 4604 3077 6370 2477 / UDJ -DX T 6710 1701 6170 5004 3074 16740 6476 1063 5500 6475 3030 1277 1014 3131 H XXJ HLYY 6750 0432 1601 5400 6212 16760 0311 5400 5407 0317 0026 0011 5534 5743 CI= GCO V I 1.8 6770 3335 5555 5555 5555 5700 0060 0060 0013 NK2 K 7030 0004 0260 0060 0060 0013 NK2 K 7030 0004 0260 0060 0060 0013 NK2 K 7030 0004 0260 0060 0060 0060 0013 NK2 K 7030 0004 0260 0060 -	0100 6232 1400 3402 T. A ZL 1B 0506 5002 7503 3313 EJ/B BOJEF/B COK 0300 2420 0566 3012 S QUE XIS TPE XJ 0500 4732 3054 0514 NM XXXH *ZX=EL 0500 4732 3054 0514 NM XXXH *ZX=EL 0505 0416 5400 4605 HF - / UEDN= -E 0662 6010 3011 5400 DA /DX N HXI= 0011 0200 7006 5400 N XNH HXIB F= 071 3256 0706 2000 DZNA= JH Z,GFP 0534 5740 O2 1.5 0110 2120 2735 1411 A A IHQPW2LI
7100 7110 7110 7120 J C 7130 7140 J C 7150 7150 7150 7150 7150	2300 0050 S / AC0102
7260 1300 0012 0002 7270 1300 0014 2  7320 1300 0014 2  7340 0530 0420 1041 1404 0233 EXDPH6 LDB0 7350 3333 3333  7360 1414 1703 3333 3333 0001 5000 LL0C0000 A/ 7370 0651 1414 1703 3333 3335 AX F\$LLDC0002 7410 0001 1300 7440 3333 3336 5000 0003 / 7430 1414 1703 3333 3337 0003 / 7430 1414 1703 3333 3337 0003 / 7430 1414 1703 3333 3337 0003 / 7430 1414 1703 3333 3337 0003 / 7450 0002 1300 0663 1 7460 0003 7100 0666 1414 1703 C F LLDC0005 7450 0002 1300 0663 1 7500 3232 3232 3211 1600 1512 3232 3232 3217 ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	325 2011 1711 1604

RA = MST,6,7,11,12,13,14. EXPRESS 11 DSDI - V2.0 79/10/30. 10.59,48. PAGE 1
0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. NOS 1-8J03T/R2B. NOS 1-4 STUDY DUMP - MASS STORAGE

## EQUIPMENT 06 - MASS STORAGE TABLE

	NUMBER OF TRACKS	TOGL	013350	3140	Y5 FX	+ A	ALLOCATION FLAGS	DILL	013363	0000			O
	RESERVED			0000			CH 2 ACCESS 7154 FLAG			61			
	LENGTH OF TRT			0630	CH 1 ACCESS 7154 FLAG 60								
	FIRST AVAIL TRACK PTR			4572			CH 4 ACCESS 7154 FLAG			00			
	NUM AVAILABLE TRACKS			0163			CH 3 ACCESS 7154 FLAG			00			
	FLAGS / INTERLOCK	ACGL	013351	0000	D2	A	BIT 21 IS MAINTENANCE	MODE		(	0		
DA ECS CHAIN FIRST TRACK DIRECT ACCESS FILE CNT FIRST TRACK LOFT			0000 0435 0000				MEMORY TYPE - 3 BIT VALUE O CPU TYPE - 3 BIT VALUE O				0		
											0		
							PP PATH TYPE - 3 BIT VALUE				0		
	REDEFINITION STATUSES			01			RESERVED				00		
	PF UTILITY INTERLOCK			00			ALGORITHM INDEX				04		
	ECS ADDRESS MST/TRT	SDGL	013352	00000000			DAYFILE TRACK	DULL	013364	0000			
	ECS UPDATE COUNT			000000000			ACCOUNT FILE TRACK			0000			
	MACHINE MASK INTERLOCK			00			ERRLOG TRACK			0000			
	FIRST TRACK TAPF	ALGL	013353	4042	575 58	5	SYSTEM TABLE TRACK			(	0000		
	LABEL TRACK			4000			FAMILY IDLE STATUS				0		
	FIRST TRACK PERMITS			4043			FAMILY ACTIVITY COUNT				000		
NUMBER CATALOG TRACKS			0040				LOCAL STATUS FLAGS	STLL	013365	0000		62	B 1
	FIRST TRACK DAT			0000			RESERVED			00			
	FAMILY OR PACK NAME	PFGL	013354	16172303142310	NOSCLS	H5 A	ERROR STATUS			00			
	DEVICE NUMBER	-		40			MACHINE ID			4135			
	RESERVED			00			CURRENT USER COUNT DAF			(	0002		
	REL UNIT MULTIUNIT DEV			0			NEXT EQUIPMENT				00		
	NUM UNIT MULTIUNIT DEV			1			ORIGINAL NUMBER UNITS				1		
	USER NUM PRIVATE PACK	PUGL	013355	0000000000000		-A5	LOCAL STATUS				1		
	DEVICE MASKS			460140			REDEF IN PROG/NULL EQ	DDLL	013366	0		A	3 V
			013356	1000	HADI	C 5	RESERVED			0			
	FT-HT FLAG */* SECTOR L	LIMIT		0160			NUMBER PHYSICAL UNITS	- 1		01			
DRIVER NAME		0411				EQUIPMENT UNIT LIST		·	00000000	00003626			
O RESERVED FOR PPR USE			0000			LOCAL INSTAL AREA	ISLL	013367	000000000000000	00000000			
	SECTOR LIMIT			0340									
				00000000000000000000									
	GLOBAL INSTAL AREA			00000000000000000000									
				00000000000000000000									
	ACTIVITY COUNT	DALL	013362	0000	67								

# TRACK RESERVATION TABLE

UNIT INTERLOCKS

RESERVED

CURRENT POSITION NEXT BEST POSITION

013370	+0000	4001	4002	4003	4004	4017	1	 1111	5A5B5C5D50	)
013371	+ 0004	4005	4006	4007	4010	0017		 1111	5E5F5G5H 0	j
013372	+0010	4011	4012	4013	4014	0017		 1111	515J5K5L 0	)
013373	+0014	4015	4016	4017	4020	0017			5M5N505P 0	)
013374	+0020	4021	4022	4023	4024	0017		 1111	505R5S5T 0	)
013375	+0024	4025	4026	4027	4030	0017			5U5V5W5X 0	)
013376	+0030	4031	4032	4033	4034	0017		 1111	5Y5Z5051 0	j
013377	+0034	4035	4036	4037	4040	0017		 1111	52535455 0	)
013400	+0040	4041	0000	4146	0151	1417	11	 1111	56 6-AIL0	)
013401	+0044	0064	0064	0125	4050	7417	1111	 1111	AU5/ 0	J
013402	+0050	4051	0106	4053	4054	1017			5(AF5\$5=H0	j
013403	+0054	4055	4056	4057	4060	0017		 1111	5 5,5,5 0	J

0000

4142

7777

0.5V - 1020

NOS 1-8J03T/R28.

79/10/30. 10.59.49.

PAGE

NOS 1.4 STUDY DUMP - MASS STORAGE

DSDI - V2.0 79/10/30. 10.59.49. PAGE 5
NOS 1-8JO3T/R2B. NOS 1.4 STUDY DUMP - MASS STORAGE

014131 +2604 0273 6606 6607 6610 6017 11-- --- 1111 B F G H O

DSDI - V2.0 79/10/30. 10.59.49. PAGE 7
NOS 1-8J03T/R2B. NOS 1.4 STUDY DUMP - MASS STURAGE

RA = MST,6,7,11,12,13,14. EXPRESS 0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH	
014132 +2610 6611 6612 6613 6614 0017 1111 I J K L O 014133 +2614 6615 6616 6617 6620 0017 1111 M N O P O	
014134 +2620 0046 6622 6623 6624 2017 -1 1111 - R S TPO 014135 +2624 6625 6626 6627 6630 0017 1111 U V W X O	
014136 +2630 6631 6632 6633 6634 0017 1111 Y Z O 1 0	
014137 +2634 6635 0074 0265 0007 04171 1111 2 8 GDO	
014140 +2640 0020 6642 6643 6644 4017 1 1111 P 7 8 950 014141 +2644 6645 6646 6647 6650 0017 1111 + - + / 0	
014142 +2650 6653 3777 3777 6654 0017 1111 \$4 4 = 0	
014143 +2654 6655 6656 6657 6660 0017 1111 , . 0 014144 +2660 6661 6662 6663 6664 0017 1111	
014144 + 2660 6661 6662 6663 6664 0017 1111 0	
014146 +2670 6671 6672 6673 6674 0017 1111	
014147 +2674 6675 6676 6677 6700 0017 1111 0 014150 +2700 6701 6702 6703 6704 0017 1111 A B C D O	
014151 +2704 6705 6706 6707 6710 0017 1111 E F G H O	
014152 +2710 6711 6712 6713 6714 0017 1111 I J K L O 014153 +2714 6715 6716 6717 6720 0017 1111 M N O P O	
014153 +2714 6715 6716 6717 6720 0017 1111 M N O P O 014154 +2720 6721 6722 6723 6724 0017 1111 Q R S T O	
014155 +2724 6725 6726 6727 6730 0017 1111 U V W X 0	
014156 +2730 6731 6732 6733 6734 0017 1111 Y Z 0 1 0 014157 +2734 6735 6736 6737 6740 0017 1111 2 3 4 5 0	
014160 +2740 6741 6742 0320 0110 04171 1111 6 7CPAHDO	
014161 +2744 6747 6751 0003 6750 6017 11 1111 + ( C / 0	
014162 +2750 0231 0277 0000 0000 0014 11 BYB L 014163 +2754 0000 0000 0000 0000 0000	•
014204 +3060 0000 3777 0000 0000 00041 4 D	
014210 +3100 0000 0000 3777 0000 00021- 4 B 014211 +3104 0000 0000 0000 0000 0000 4	
014211 +3104 0000 0000 0000 0000 0000	
014217 +3134 0000 3777 0000 0000 0004 4 D	
EQUIPMENT O7 - MASS STORAGE TABLE	
NUMBER OF TRACKS TDGL 014220 3140 Y5 FX5+	ALLOCATION FLAGS DILL 014233 0000 TR A
RESERVED 0000	CH 2 ACCESS 7154 FLAG 24
LENGTH OF TRY O630 FIRST AVAIL TRACK PTR 4045	CH 1 ACCESS 7154 FLAG 22
NUM AVAILABLE TRACKS 0067	CH 4 ACCESS 7154 FLAG 00 CH 3 ACCESS 7154 FLAG 00
FLAGS / INTERLOCK ACGL 014221 0000 F, A DA ECS CHAIN FIRST TRACK 0000	BIT 21 IS MAINTENANCE MODE 0
DA ECS CHAIN FIRST TRACK 0000 DIRECT ACCESS FILE CNT 0656	MEMORY TYPE - 3 BIT VALUE 0 CPU TYPE - 3 BIT VALUE 0
FIRST TRACK 19FT 0000	PP PATH TYPE - 3 BIT VALUE
REDEFINITION STATUSES OL PF UTILITY INTERLOCK - 00	RESERVED 00
ECS ADDRESS MST/TRT SDGL 014222 00000000	ALGORITHM INDEX DAYFILE TRACK DULL 014234 0000
ECS UPDATE COUNT 0000000000 OO	ACCOUNT FILE TRACK 0000
FIRST TRACK IAPF ALGL 014223 4042 575 58 5	ERRLOG TRACK 0000
LABEL TRACK 4000	SYSTEM TABLE TRACK 0000 FAMILY IDLE STATUS 0
FIRST TRACK PERMITS 4043 NUMBER CATALOG TRACKS 0040	FAMILY ACTIVITY COUNT 000
FIRST TRACK DAT 0000	LOCAL STATUS FLAGS STLL 014235 0004 D 62 B Q RESERVED 00
FAMILY OR PACK NAME PFGL 014224 16172303142310 NUSCLSH6 B	ERROR STATUS 00

```
MST,6,7,11,12,13,14.
RA =
                                                       EXPRESS 11
                                                                     DSDI - V2.0
                                                                                                            PAGE
                                                                                    79/10/30. 10.59.50.
0000000 CM
            16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH.
                                                                          NOS 1-8J03T/R28.
                                                                                             NOS 1.4 STUDY DUMP - MASS STORAGE
DEVICE NUMBER
                                                                 MACHINE ID
                                              41
                                                                                                         4135
RESERVED
                                                00
                                                                 CURRENT USER COUNT DAF
                                                                                                             2000
REL UNIT MULTIUNIT DEV
                                                 0
                                                                 NEXT EQUIPMENT
                                                                                                                00
NUM UNIT MULTIUNIT DEV
                                                                 ORIGINAL NUMBER UNITS
USER NUM PRIVATE PACK PUGL 014225 0000000000000
                                                           55H
                                                                LOCAL STATUS
                                              404010
DEVICE MASKS
                                                                 REDEF IN PROG/NULL EQ DDLL 014236 0
FLAGS AND DAT INDEX
                     MDGL 014226 1000
                                                    H 6$DI EA
                                                                RESERVED
FI-HT FLAG */* SECTOR LIMIT
                                    4153
                                                                NUMBER PHYSICAL UNITS - 1
DRIVER NAME
                                        0411
                                                                 EQUIPMENT UNIT LIST
                                                                                                     0000000000443424
O RESERVED FOR PPR USE
                                            0000
                                                                LOCAL INSTAL AREA
                                                                                      ISLL 014237 00000000000000000000
SECTOR LIMIT
                                                0501
RESERVED
                     RIGL 014227 000000000000000000000
                     ISGL 014230 00000000000000000000
GLOBAL INSTAL AREA
                     12GL 014231 000000000000000000000
ACTIVITY COUNT
                     DALL 014232 0001
                                                     AH 4
UNIT INTERLOCKS
                                    1000
CURRENT POSITION
                                        6137
NEXT BEST POSITION
                                            7777
RESERVED
                                                0000
        TRACK RESERVATION TABLE
014240 +0000 4001 4002 4003 4004 4017 1--- --- 1111 5A5B5C5D50
014241 +0004 4005 4006 4007 4010 0017 ---- 1111 5E5F5G5H 0
014242 +0010 4011 4012 4013 4014 0017 ---- 1111 515J5K5L 0
014243 +0014 4015 4016 4017 4020 0017 ---- 1111 5M5N505P 0
014244 +0020 4021 4022 4023 4024 0017 ---- 1111 50585557 0
014245 +0024 4025 4026 4027 4030 0017 ---- 1111 5U5V5W5X 0
014246 +0030 4031 4032 4033 4034 0017 ---- 1111
                                                    5Y5Z5051 0
014247 +0034
             4035 4036 4037 4040 0017 ---- 1111 52535455 0
014250 +0040
             4041 0000 4350 0231 1417 --11 --- 1111 56 8/BYLO
014251 +0044
             0452 0054 0454 4050 7417 1111 ---- 1111 D) =D=5/ D
014252 +0050 4051 4052 0413 0102 0417 ---1 ---- 1111 5(5) DKABDO
014253 +0054 4055 4056 4057 4316 4017 1--- --- 1111 5 5,5.8N50
014254 +0060
             4230 0373 0144 4064 3417 -111 ---- 1111 7XC A95 10
014255 +0064
             4065 4066 4067 4070 0017 ---- 1111 5 5 5 5 0
             4071 4072 4073 4074 0017 ---- 1111 5 5 5 5 0
014256 +0070
014257 +0074
             4075 4076 4077 4100 0017 ---- 1111 5 5 5 6 0
014260 +0100 4101 4102 4103 4104 0017 ---- 1111 6A6B6C6D D
014261 +0104 4105 4106 4107 4110 0017 ---- 1111 6E6F6G6H 0
014262 +0110 4111 4112 4113 4114 0017 ---- 1111 616J6K6L 0
014263 +0114 4115 4116 4117 4120 0017 ---- 1111 6M6N606P 0
014264 +0120 4121 4122 4123 4124 0017 ---- 1111 606R656T 0
014265 +0124 4125 4126 4127 4130 0017 ---- 1111 6U6V6W6X D
014266 +0130 4131 4132 4133 4134 0017 ---- 1111 67626061 0
014267 +0134 4135 4136 4137 4140 0017 ---- 1111 62636465 0
014270 +0140 4141 4142 4143 4144 0017 ---- 7111 66676869 0
```

R6 K R=0

014271 +0144 4145 4146 0021 4150 0017 ---- 1111 6+6- 96/ 9

014273 +0154 4155 0146 0142 0030 1417 --11 ---- 1111 6 A-A7 XLO 014274 +0160 0160 0013 0021 0013 3417 -111 ---- 1111 A K Q K10

014276 +0170 0141 0412 4173 4175 6017 11-- --- 1111 A6DJ6 6 0 014277 +0174 0142 4176 4177 4200 4017 1--- --- 1111 A76 6 7 50 014300 +0200 4201 4202 4203 4204 0017 ---- 1111 7A7B7C7D 0 014301 +0204 4205 4206 4207 4210 0017 ---- 1111 7E7F7G7H 0 014302 +0210 4211 4212 4213 4214 0017 ---- 1111 717J7K7L 0

014275 +0164 0022 4172 0013 0022 5417 1-11 ---- 1111

4314 4060 4154 4152 2417 -1-1 ---- 1111 8L5 6=6)TO

014272 +0150

91T

0230 5116 0232 0327 6417 11-1 ---- 1111 BX(NBZCW 0

014464 +1120 0015 5131 0361 0246 5417 1-11 ---- 1111 M(YC B-=0

014463 +1114

DSDI - V2.0 79/10/30. 10.59.50. PAGE 11 NOS 1-8J03T/R28. NOS 1.4 STUDY DUMP - MASS STORAGE

DSDI - V2.0 79/10/30. 10.59.50. PAGE 13 NOS 1-8JO3T/R2B. NOS 1.4 STUDY DUMP - MASS STURAGE

0000000 CM	16.23.30	). 79/08/17.	(35) CYBER 174	S/N 620 CLSH.
01///2 . 2050	(2(1, (2(2, 22)			
014652 +2050 014653 +2054			1 1111	( ) BT =00
014654 +2060	6055 6056 605		1111 1111	• • 0
014655 +2064	6065 6066 606		1111	0
014656 +2070	6071 6072 6073		1111	0
014657 +2074	6075 6076 607		1111	0 0
014660 +2100	6101 6102 610		1111	ABCDO
014661 +2104	6105 6106 610		1111	EFGHO
014662 +2110	6111 6112 6113		1111	1 J K F O
014663 +2114	6115 6116 6117		1111	M N OC O
014664 +2120	0165 6122 6123		1 1111	A R S T50
014665 +2124	5365 6126 6127	6130 0017	1111	\$ V H X O
014666 +2130	6131 6132 6133	6134 0017	1111	Y Z O 1 O
014667 +2134	0164 0076 0000	6140 0415	1 11-1	A 5DH
014670 +2140	6141 6142 6143	6144 0017	1111	67890
014671 +2144	6145 6146 6147		1111	+ - + / 0
014672 +2150	6151 6152 6153		1111	( )
014673 +2154	6155 6156 6157		1111	• • 0
014674 +2160	6161 6162 6163		1111	0
014675 +2164	6165 6166 6167		1111	0
014676 +2170	6171 6172 6173		1111	0
014677 +2174	6175 6176 6177		1111	0
014700 +2200 014701 +2204	6201 6202 6203		1111	A B CB D
014701 72204	0000 0000 0000	0000 0000		
014703 +2214	0117 0176 6217	6220 7017	111 1111	AOA O PO
014704 +2220	6221 6222 6223		1111	QRSTO
014705 +2224	6225 6226 6227		1111	UVWXO
014706 +2230	6231 6232 6233		1111	Y Z O 1 0
014707 +2234	6235 6236 6237	6240 0017	1111	2 3 4 5 0
014710 +2240	6241 6242 6243		1111	67890
014711 +2244	6245 6246 6247		1111	+ - + / 0
014712 +2250	6251 6252 6253		1111	( ) \$ = 0
014713 +2254	62.55 62.56 62.57		1111	• • 0
014714 +2260	6261 6262 6263		1111	0
014715 +2264	6265 6266 6267		1111	0
014716 +2270	6271 6272 6273		1111	0
014717 +2274	6275 6276 6277		1111	0
014720 +2300 014721 +2304	6301 6302 6303 6305 6306 6307		1111	ABCDO
014722 +2310	0100 0363 6342		1111	EFGHU
014723 +2314	6315 6316 6317		-1-1 1111	A C 7 UTO
014724 +2320	6321 6322 6323		1 1111	M N O P50
014725 +2324	6325 6326 6327		1111	QRSTO UV W X O
014726 +2330	6331 6332 6333		1111	Y Z O 1 0
014727 +2334	6335 6336 6337		1111	23450
014730 +2340	6341 0274 6343		1111	68 8 - 0
014731 +2344	0044 0045 6361		11-1 1111	9 + AP 0
014732 +2350	0000 0000 0000		1	, - AT 0
014733 +2354	0367 0152 6357		111 1111	CAI. Ô
014734 +2360	0006 6375 6363		1 1111	F 85HO
014735 +2364	0036 0037 0035		1111 1111	3 4 2 X 0
014736 +2370	0012 0022 0050		1111 1111	J R / / O
014737 +2374	0004 6443 0202		1-11 1111	D 8888S=0
014740 +2400	0150 0445 6403		111 1111	A/D+ CAI O
014741 +2404	6405 0022 6407		1-1 1111	E R G +/0
014742 + 2410	6411 0140 0115	0301 5417	1-11 1111	IASAMCA=O

015033 +2754 6755 6756 6757 6760 0017 ---- 1111

• • 0

RA = MST,6,7,11,12,13,14. 0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620	ESS 11 DSDI - V2.0 79/10/30. 10.59.50. PAGE 16 CLSH. NOS 1-8JO3T/R2B. NOS 1.4 STUDY DUMP - MASS STORAGE
015034 +2760 6761 6762 6763 6764 0017 1111	0
015035 +2764 6765 6766 6767 6770 0017 1111	o ·
015036 +2770 6771 6772 6773 6774 0017 1111	o ·
015037 +2774 6775 6776 6777 7000 0017 1111	0
	D O
015041 +3004 7005 7006 7007 7010 0017 1111 E F G	
015043 +3014 7015 7016 7017 7021 0017 1111 M N U 015044 +3020 3777 7022 7023 7024 0017 1111 4 R S	
0150/5 . 202/ 202/ 202/ 2022 2020 0000	T 0
015045 +3024 7025 7026 7027 7030 0017 1111 U V W 015046 +3030 7031 7032 7033 7034 0017 1111 Y Z O	X () 1 ()
015047 +3034 7035 7036 7037 7040 0017 1111 2 3 4	
015050 +3040 7041 7042 7043 7044 0017 1111 6 7 8	
015051 +3044 7045 7046 7047 7050 0017 1111 + - +	
015052 +3050 7051 7052 7053 7054 0017 1111 ( ) \$	- 0
015053 +3054 7055 7056 7057 7060 0017 1111 , .	o
015054 +3060 7061 7062 7063 7064 0017 1111	0
015055 +3064 7065 7066 7067 7070 0017 1111	0
015056 + 3070 7071 7072 7073 7074 0017 1111	0
015057 +3074 7075 7076 7077 7100 0017 1111 015060 +3100 7101 7102 7103 7104 0017 1111 A R C	0
0150/1 210/ 710/ 710/ 710/	0 0
015061 +3104 7105 7106 7107 7110 0017 1111 E F G 015062 +3110 7111 7112 7113 7114 0017 1111 I J K	
015063 +3114 7115 7116 7117 7120 0017 1111 M N O	
015064 +3120 7121 7122 7123 7124 0017 1111 Q R S	
015065 +3124 7125 7126 7127 7130 0017 1111 UVW	
015066 +3130 7131 7132 7133 7134 0017 1111 Y Z O	
015067 +3134 7135 7136 7137 4253 0017 1111 2 3 47	
EQUIPMENT 11 - MASS STORAGE TABLE	
NUMBER OF TRACKS TDGL 015070 3150 Y/ F25	-00 444 0C4T10N C14CC
NUMBER OF TRACKS TDGL 015070 3150 Y/ FZ5 RESERVED 0000	011 3 100000 7151 5110
LENGTH OF TRT 0632	CH 2 ACCESS 7154 FLAG 24 CH 1 ACCESS 7154 FLAG 23
FIRST AVAIL TRACK PTR 4054	CH 1 ACCESS 7154 FLAG 23 CH 4 ACCESS 7154 FLAG 00
NUM AVAILABLE TRACKS 1704	CH 3 ACCESS 7154 FLAG 00
FLAGS / INTERLOCK ACGL 015071 0000 AK	9
DA ECS CHAIN FIRST TRACK 0000	MEMORY TYPE - 3 BIT VALUE
DIRECT ACCESS FILE CNT 0113	CPU TYPE - 3 BIT VALUE
FIRST TRACK 19FT 0000	PP PATH TYPE - 3 BIT VALUE
REDEFINITION STATUSES 01	RESERVED
PF UTILITY INTERLOCK 00	ALGORITHM INDEX 02
ECS ADDRESS MST/TRT SDGL 015072 00000000  ECS UPDATE COUNT 000000000	DAYFILE TRACK DULL 015104 0000
MACHINE MACH THEFOLOGY	ACCOUNT FILE TRACK 0000
FIRST TRACK IAPF ALGL 015073 4022 5R5 5S I	ERRLOG TRACK 0000
LABEL TRACK 4000	CAMELY TOLE CTATUS
FIRST TRACK PERMITS 4023	FAMELY ACTIVITY ACTIVE
NUMBER CATALOG TRACKS 0020	A OCAL STATUS FLAGS STATE STATES
FIRST TRACK DAT 0000	RESERVED 00 62 A
FAMILY OR PACK NAME PEGL 015074 24232407051600 TSTGEN	ERKOR STATUS 00
DEVICE NUMBER 00	MACHINE ID 4135
RESERVED 00	CURRENT USER COUNT DAF 0000
REL UNIT MULTIUNIT DEV	NEXT EQUIPMENT 00
NUM UNIT MULTIUNIT DEV	ORIGINAL NUMBER UNITS O
	LOCAL STATUS
DEVICE MASKS 577777	REDEF IN PROG/NULL EQ DDLL 015106 0

```
RA =
         MST,6,7,11,12,13,14.
                                                                     DSDI - V2.0
                                                       EXPRESS 11
                                                                                    79/10/30. 10.59.51.
                                                                                                           PAGE
0000000 CM
                  16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH.
                                                                         NOS 1-8JO3T/R2B. NOS 1.4 STUDY DUMP - MASS STORAGE
FLAGS AND DAT INDEX
                      MDGL 015076 7000
                                                      88DI C8
                                                                RESERVED
                                                                                                  0
FT-HT FLAG */* SECTOR LIMIT
                                     4343
                                                                NUMBER PHYSICAL UNITS - 1
DRIVER NAME
                                        0411
                                                                EQUIPMENT UNIT LIST
                                                                                                    0000000000000002
O RESERVED FOR PPR USE
                                            0000
                                                                LOCAL INSTAL AREA
                                                                                     ISLL 015107 000000000000000000000
SECTOR LIMIT
                                               0343
RESERVED
                     RIGL 015077 000000000000000000000
GLOBAL INSTAL AREA
                     ISGL 015100 000000000000000000000
                     I2GL 015101 000000000000000000000
ACTIVITY COUNT
                     DALL 015102 0000
UNIT INTERLOCKS
                                    0000
CURRENT POSITION
                                        4000
NEXT BEST POSITION
                                            7777
RESERVED
                                               0000
        TRACK RESERVATION TABLE
015110 +0000 4001 4002 4003 4004 4017 1--- --- 1111 5A5B5C5D50
015111 +0004 4005 4006 4007 4010 0017 ---- 1111 5E5F5G5H 0
015112 +0010
             4011 4012 4013 4014 0017 ---- 1111 515J5K5L 0
015113 +0014
             4015 4016 4017 4020 0017 ---- 1111 5M5N505P 0
015114 +0020
             4021 0000 4371 0076 1417 --11 ---- 1111 50 8 LO
015115 +0024
             0102 4026 4027 4030 6017 11-- --- 1111 AB5V5N5X 0
015116 +0030
             4031 4032 4033 4034 0017 ---- 1111 57525051 0
015117 +0034
             4035 0110 0015 0027 1417 --11 ---- 1111 52AH M WLD
015120 +0040
             0015 0020 0041 0006 7417 1111 ---- 1111 M P 6 F 0
015121 +0044
             0034 4060 4230 4050 7417 1111 --- 1111 15 7X5/ D
             4051 4052 4053 4054 0017 ---- 1111 5(5)5$5= 0
015122 +0050
015123 +0054
             0130 0152 4063 0256 3417 -111 ---- 1111 AXA15 B.10
             0017 0001 6431 4064 2017 -1-- --- 1111 0 A Y5 PO
015124 +0060
             4065 4066 4067 4070 0017 ---- 1111 5 5 5 5 0
015125 +0064
             4071 4072 4073 4074 0017 ---- 1111 5 5 5 5 0
015126 +0070
015127 +0074 4075 4076 4077 4100 0017 ---- 1111 5 5 5 6 0
015130 +0100 4101 4102 4103 4104 0017 ---- 1111 6A686C6D 0
015131 +0104 4105 4106 4107 4110 0017 ---- 1111 6E6F6G6H D
015132 +0110 4111 4112 4113 4114 0017 ---- 1111 616J6K6L Q
015133 +0114 4115 4116 4117 4120 0017 ---- 1111 6M6N6Q6P Q
015134 +0120 4121 4122 4123 4124 0017 ---- 1111 696R6S6T 0
015135 +0124 4125 4126 4127 4130 0017 ---- 1111 6U6V6W6X 0
015136 +0130 4131 4132 4133 4134 0017 ---- 1111 67626061 0
```

015137 +0134 4135 4136 0011 4140 0417 --- 1111 6263 16500 015140 +0140 4141 4142 4143 4144 0017 ---- 1111 66676869 0 015141 +0144 4145 4146 4147 4150 0017 ---- 1111 6+6-6\*6/ 0 015142 +0150 4151 4152 4153 4154 0017 ---- 1111 6(6)6\$6\* 0 015143 +0154 4155 4156 4157 4160 0017 ---- 1111 6 6,6.6 0 015144 +0160 4161 4162 4164 3777 0017 ---- 1111 6 6 6 4 0 015145 +0164 4165 4166 4167 4170 0017 ---- 1111 6 6 6 6 0 015146 +0170 4171 4172 4173 4174 0017 ---- 1111 6 6 6 6 0 015147 +0174 4175 4176 4177 4200 0017 ---- 1111 6 6 6 7 0 015150 +0200 4201 4202 4203 4204 0017 ---- 1111 7A787C7D 0 015151 +0204 4205 4206 4207 4211 0017 ---- 1111 7E7F7G7I 0 015152 +0210 5362 4212 4213 5113 0017 ---- 1111 \$ 7J7K(K () 015153 +0214 0167 4216 4221 4227 2417 -1-1 ---- 1111 A 7N7Q7HTD 015154 +0220 4214 4222 4223 4224 4017 1--- --- 1111 7L7R7S7T50 015155 +0224 4225 4226 0072 4231 0017 ---- 1111 7077 77 0 015156 +0230 4232 4235 4233 4234 0017 ---- 1111 72727071 0 015157 +0234 0034 0132 4247 4240 1417 --11 --- 1111 1AZ7+75L0 015160 +0240 4241 4242 4243 4244 0017 ---- 1111 76777879 0

0000000 CM	16.23.30	. 79/08/17.	(35) CYBER 174	S/N 620 CLSH.
016171 . 0377	1315 1311 0031	(360,0013		7.3 7.0
015161 +0244	4245 4246 0076		1111	7+7- 7/0
015162 +0250	4251 4252 4253		1111	7(7)717= 0
015163 +0254	4255 4256 0243		1111	7 7,887 0
015164 +0260	4261 4262 0255		1 1111	7 7 8 MDO
015165 +0264	0000 5302 4267		1111	\$87 7 HG
015166 +0270	4272 3777 0130		1111	7 4 AX4 0
015167 +0274	3777 3777 0001		11 1111	4 4 AB LO
015170 +0300	4301 4302 0120		1 1111	8A8BAP ADO
015171 +0304	0001 4306 4307		11 1111	ABFBGBH O
015172 +0310	4311 4312 4313		1111	81918K8F D
015173 +0314	4315 0336 4320		1 1111	8MC38P4 HO
015174 + 0320	4322 3777 4323	-	1111	8R4 8S8T 0
015175 +0324	4325 0130 4327		1 1111	OHX B w B X A U B
015176 +0330	4331 4332 4333		1111	8Y8Z8081 D
015177 +0334	4335 4336 4337		1111	82838485 0
015200 +0340	4341 0336 4343		1 1111	86C38889HO
015201 +0344	4345 4346 4347		1111	8+8-8+A\$ D
015202 +0350	4351 4352 4353		1 1111	8(8)8\$AJ50
015203 +0354	4355 4356 4357		1 1111	8 8,8.8 50
015204 +0360	4361 4362 4363	4364 0017	1111	88880
015205 +0364	43.65 43.66 43.67		1111	8 8 8 CU O
015206 +0370	0003 4372 4373		1 1111	C8 8 8 50
015207 +0374	4375 4376 4377		1111	8 8 8 9C O
015210 +0400	4401 0023 0000		1 11-1	9A S 9D5H
015211 +0404	4405 4406 4444		1 1111	9E9F999HDD
015212 +0410	4411 4412 4413		1111	919J9K9L O
015213 +0414	4415 0151 0000		11	9MA( L
015214 +0420	4257 0000 0000		1	7. H
015215 +0424	0000 0000 0000		*****	
015217 +0434	0001 4436 4437		11 1111	A939495 O
015220 +0440	4441 4442 4443		1111	969798A( 0
015221 +0444	4636 0000 0000		1	-3 H
015222 +0450	0000 0000 4453	_	111	9\$9=HC
015223 +0454	4455 0262 0002		11 1111	9 B B9 L0
015224 +0460	4461 4462 4463		1111	9 9 9 0
015225 +0464	4465 4466 4467		1111	9 9 9 9 0
015226 +0470	4471 4472 4473	4474 0017	1111	99990
015227 +0474	4475 4476 4477	4500 0017	1111	999+0
015230 +0500	4501 4502 4503		1111	+A+B+C+D 0
015231 +0504	4505 4506 4507	4510 0017	1111	+E+F+G+H 0
015232 +0510	4511 4512 4513	4514 0017	1111	+I+J+K+L 0
015233 +0514	4515 4516 4517	4520 0017	1111	+M+N+0+P 0
015234 +0520	4521 4522 4523	4524 0017	1111	+Q+R+S+T 0
015235 +0524	4525 4526 4527	4530 0017	1111	+U+V+W+X 0
015236 +0530	4531 4532 4533	4534 0017	1111	+Y+Z+0+1 0
015237 +0534	4535 4536 4537	4540 0017	1111	+2+3+4+5 0
015240 +0540	4541 4542 4543	4544 0017	1111	+6+7+8+9 0
015241 +0544	4545 4546 4547		1111	+++-+++/ 1)
015242 +0550	4551 4552 4553	4554 0017	1111	+(+)+\$+= 0
015243 +0554	4555 4556 4557		1111	+ +, +. + 0
015244 +0560	4561 4562 4563		1111	+ + + + 0
015245 +0564	4565 4566 4567		1111	+ + + + 0
015246 +0570	4571 4572 4573		1111	+ + + + 0
015247 +0574	4575 4576 4577		1111	+ + + - 0
015250 +0600	4601 4602 4603		1111	-A-B-C-U U
015251 +0604	4605 4606 4607	4610 0017	1111	-E-F-G-H O

DSDI - V2.0 79/10/30. 10.59.51. PAGE 19 NOS 1-8JO3T/R28. NOS 1.4 STUDY DUMP - MASS STORAGE

RA - MST,6,7,11,12,13,14. EXPRESS 11 0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH.	OSDI - V2.0 79/10/30. 10.59.51. PAGE 20 NOS 1-8JO3T/R2B. NOS 1.4 STUDY DUMP - MASS STORAGE
015343 +1154 5155 5156 5157 5160 0017 1111 ( (,(.( 0 015344 +1160 5161 5162 0224 5164 04171 1111 ( ( BT ( 0 0 015345 +1164 5165 5166 5167 5170 0017 1111 ( ( ( ( 0 015346 +1170 5171 5172 5173 5174 0017 1111 ( ( ( ( 0 015347 +1174 5175 5176 5177 5200 0017 1111 ( ( ( ( 0 015350 +1204 5206 3777 0255 5210 0417 1111 )AJB)C)D 0 015351 +1204 5206 3777 0255 5210 0417 1111 )F4 B JHDO 015352 +1210 5211 0301 5213 5214 10171 1111 )ICAJKJLHO 015353 +1214 5216 5217 5220 5223 0017 1111 )NJO)P)S 0 015354 +1220 5221 5222 5224 5225 0017 1111 )AJR)T)U 0 015355 +1224 5226 5230 5227 5231 0017 1111 )VIXJWJY 0 015356 +1230 5233 5232 5275 5303 0017 1111 )VIXJWJY 0	
015357 +1234  0303 4265 0000 5240 4415  11 11-1  CC7  159M	
015366 +1270 0001 5272 5273 5277 0017 1111 A) ) 0 015367 +1274 5215 5276 5304 5235 4017 1 1111 IM) \$01250 015370 +1300 0000 0000 4210 5307 0003 1111 IM) \$01250 015371 +1304 5305 5306 5310 0227 0017 1111 \$E\$F\$HBW 0 015372 +1310 0012 0000 0000 0000 0010 1 1 J H 015373 +1314 0000 0000 0000 0000	
015404 +1360 0000 0000 4062 0000 0002 5 B 015405 +1364 0000 0000 0000 0000 0000 5 B 015514 +2020 0000 0000 3777 0000 0002 4 B 015515 +2024 0000 0000 0000 0000 0000 4 B	
015520 +2040 0000 0000 3777 0000 00021- 4 B 015521 +2044 0000 0000 0000 0000	
015553 +2214 3777 0000 0000 0000 0010 1 4 H 015554 +2220 0000 0000 0000 0000 H 015616 +2430 0000 4420 0000 0000 0004 9P D	
015617 + 2434 0000 0000 0000 0000 EQUIPMENT 12 - MASS STORAGE TABLE	
RESERVED  LENGTH OF TRT  O645  FIRST AVAIL TRACK PTR  NUM AVAILABLE TRACKS  FLAGS / INTERLOCK  ACGL 015751 4000  DIRECT ACCESS FILE CNT  FIRST TRACK IGFT  REDEFINITION STATUSES  PF UTILITY INTERLOCK  CHOOSE  OOOO  AL	LLOCATION FLAGS DILL 015763 0000 +* F H 2 ACCESS 7154 FLAG 45 H 1 ACCESS 7154 FLAG 00 H 3 ACCESS 7154 FLAG 00 IT 21 IS MAINTENANCE MODE EMORY TYPE - 3 BIT VALUE 0 PU TYPE - 3 BIT VALUE 0 P PATH TYPE - 3 BIT VALUE 0 ESERVED 00 LGORITHM INDEX 06 AYFILE TRACK DULL 015764 0000

·	
RA = MST,6,7,11,12,13,14. EXPRESS	11 DSDI - V2.0 79/10/30. 10.59.51. PAGE 21
0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH	• NOS 1-8JO3T/R2B. NOS 1.4 STUDY DUMP - MAS
ECS UPDATE COUNT 000000000	ACCOUNT FILE TRACK 0000
MACHINE MASK INTERLOCK 00	ERRLOG TRACK 0000
FIRST TRACK TAPF ALGL 015753 4012 5J5 5K H	SYSTEM TABLE TRACK 0000
LABEL TRACK 4000	FAMILY IDLE STATUS 0
FIRST TRACK PERMITS 4013	FAMILY ACTIVITY COUNT 000
NUMBER CATALOG TRACKS 0010	LOCAL STATUS FLAGS STLL 015765 0000
FIRST TRACK DAT 0000	RESERVED 00
FAMILY OR PACK NAME PFGL 015754 16172303142310 NOSCLSH7 DEVICE NUMBER 42	ERROR STATUS 00
DEVICE NUMBER 42 RESERVED 00	MACHINE ID 4135 CURRENT USER COUNT DAF 0013
REL UNIT MULTIUNIT DEV 0	CURRENT USER COUNT DAF 0013 NEXT EQUIPMENT 00
NUM UNIT MULTIUNIT DEV 0	ORIGINAL NUMBER UNITS 0
USER NUM PRIVATE PACK PUGL 015755 0000000000000 5LC	LOCAL STATUS
DEVICE MASKS 401403	REDEF IN PROG/NULL EQ DOLL 015766 0
FLAGS AND DAT INDEX MDGL 015756 1000 H J DI J	RESERVED 0
FT-HT FLAG */* SECTOR LIMIT 1200	NUMBER PHYSICAL UNITS - 1 00
DRIVER NAME 0411	EQUIPMENT UNIT LIST 000000000000000000000000000000000000
O RESERVED FOR PPR USE 0000 SECTOR LIMIT 1200	LOCAL INSTAL AREA ISLL 015767 00000000000000000000
SECTOR LIMIT 1200  RESERVED RIGL 015757 00000000000000000000000000000000	
GLOBAL INSTAL AREA	
12GL 015761 0000000000000000000	
ACTIVITY COUNT DALL 015762 0000 .C	
UNIT INTERLOCKS 0000	
CURRENT POSITION 5703	
NEXT BEST POSITION 7777	
RESERVED 0000	
TRACK RESERVATION TABLE	
015770 +0000 4001 4002 4003 4004 4017 1 1111 5A5B5C5D50	
015770 +0000 4001 4002 4003 4004 4017 1 1111 5A5B5C5D50 015771 +0004 4005 4006 4007 4010 0017 1111 5E5F5G5H 0	•
015772 +0010 4011 0000 4014 0250 141711 1111 51 518/10	
015773 +0014 4047 1027 0103 0212 3417 -111 1111 5*HWACBJIO	
015774 +0020 4021 0372 0121 0321 5417 1-11 1111 5QC AQCQ=0	
015775 +0024 0317 0167 0006 0162 7417 1111 1111 COA FA 0	
015776 +0030 1066 0410 1032 0652 7417 1111 1111 H DHHZF) 0	
015777 +0034 0162 0001 0144 0003 7417 1111 1111 A AA9 C O	
016000 +0040 0161 0124 0111 0651 7417 1111 1111 A ATAIF( 0 016001 +0044 0002 0003 0001 4062 7017 111 1111 B C A5 0	
016001 +0044 0002 0003 0001 4062 7017 111 1111 B C A5 0 016002 +0050 0663 4052 0764 4054 6417 11-1 1111 F 5]6 5= 0	
016003 +0054 0275 0245 0002 0005 3417 -111 1111 B B+ B E10	
016004 +0060 0004 0046 4101 0107 6417 11-1 1111 D -6AAG D	
016005 +0064 0064 0353 0026 0624 7417 1111 1111 C\$ VFT 0	
016006 +0070 0006 0020 0723 0110 7417 1111 1111 F PGSAH 0	
016007 +0074 4075 0447 0116 0056 5417 1-11 1111 5 D*AN ,=0	
016010 +0100 0213 4125 0103 4104 5417 1-11 1111 BK6UAC6D=0	
016011 +0104 0156 0457 0420 0441 3417 -111 1111 A,D,DPD610 016012 +0110 0410 0150 0067 0345 7417 1111 1111 DHA/ C+ D	
016012 +0110 0410 0150 0067 0345 7417 1111 1111 DHA/ C+ 0 016013 +0114 0352 0056 0352 0206 7417 1111 1111 C) +C)BF 0	
016014 +0120 4121 0706 0050 4124 5417 1-11 1111 69GF /6T=0	
016015 +0124 0607 4170 0130 4130 141711 1111 EGG AYGYI O	

016015 +0124 0607 4170 0130 4130 1417 --11 ---- 1111 FG6 AX6XLD 016016 +0130 4131 0715 4133 1074 1017 --1- --- 1111 6YGM60H HO 016017 +0134 0063 4136 0704 4140 6417 11-1 --- 1111 63GD65 0 016020 +0140 4141 4142 4143 4144 0017 ---- 1111 66676869 0 016021 +0144 4145 4146 4147 0723 0017 ---- 1111 6+6-6+GS 0 016022 +0150 0032 4152 4153 0044 6017 11-- --- 1111 7616\$ 9 0

21 - MASS STORAGE

62 K A

0153 0350 0101 0663 2017 -1-- --- 1111 ASC/AAF PO

016204 +1060

DSDI - V2.0 79/10/30. 10.59.51. PAGE 23 NOS 1-8JO3T/R28. NOS 1.4 STUDY DUMP - MASS STORAGE

DSDI - V2.0 79/10/30. 10.59.51. PAGE 25 NOS 1-0J03T/R2B. NOS 1.4 STUDY DUMP - MASS STORAGE

RA = MST,6,7,11,12,13,14. EXPRES	
0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CL	5H. NOS 1-8JO3T/R28. NOS 1.4 STUDY DUMP - MASS STORAGE
016370 +2000 0003 0064 0124 6004 7417 1111 1111 C AT D	
016371 +2004 0050 0126 0012 0012 3417 -111 1111 /AV J JII 016372 +2010 5001 0546 0132 0107 7417 1111 1111 /AF-A7AG	
016373 +2014 0071 0104 0221 0007 7417 1111 1111 ADBQ G ( 016374 +2020 0066 0023 0042 0160 7417 1111 1111 S 7A	
016375 +2024 0023 0101 0135 0044 7417 1111 1111 SAAA2 9	
016376 +2030 0115 0132 0553 0224 7417 1111 1111 AMAZESBT	
016377 +2034 0030 0014 0124 0011 7417 1111 1111 X LAT I	
016400 +2040 0337 0012 0026 0222 7417 1111 1111 C4 J VBR	
016401 +2044 6045 0644 0640 6050 5417 1-11 1111 +F9F5 /=	
016402 +2050 0175 0504 0017 0015 3417 -111 1111 A ED O MI	
016403 +2054 0100 0041 0025 0105 7417 1111 1111 A 6 UAE (	
016404 +2060 1101 0022 0477 6064 7417 1111 1111 IA RD	
016405 +2064 0007 6066 6067 6070 2017 -1 1111 G PI	
016406 +2070 6071 6072 6073 6074 0017 1111	
016407 +2074 6122 0506 0506 0507 3417 -111 1111 REFEFEGI	
016410 +2100 6101 0663 0220 0023 5417 1-11 1111 AF BP S=0 016411 +2104 0023 0007 0504 0052 7417 1111 1111 S GED 1	
01//12 : 21/0	
016412 +2110 0506 0011 5670 0061 6417 11-1 1111 EF I, ( 016413 +2114 0042 0034 0147 0136 7417 1111 1111 7 1A*A3 (	
016414 +2120 0447 0110 0412 0110 6417 11-1 1111 D*AHDJAH (	
016415 +2124 0000 0000 0041 0163 14031111 6A L	
016416 +2130 0521 0011 0011 6134 7417 1111 1111 EQ [ ] 1	
016417 +2134 6135 6136 6137 6140 0017 1111 2 3 4 5 (	
016420 +2140 6141 6142 6143 6144 0017 1111 6 7 8 9 (	
016421 +2144 6145 6146 0173 0620 04171 1111 + -A FPDG	
016422 +2150 0055 0776 0000 0000 6014 11 11 G	
016423 +2154 0000 0000 0000 0000	
014424 13230 2277 2277 2277 2077	<del></del>
016634 + 3220 3777 3777 3777 3777 0017 1111 4 4 4 4 4	
EQUIPMENT 13 - MASS STORAGE TABLE	
ETOTO INC. 13 INAUL TABLE	•
NUMBER OF TRACKS TDGL 016640 3222 ZR F+7-J1	ALLOCATION FLAGS DILL 016653 0000 ++ F
RESERVED 0000	CH 2 ACCESS 7154 FLAG 47
LENGTH OF TRT 0645	CH 1 ACCESS 7154 FLAG 45
FIRST AVAIL TRACK PTR 4246	CH 4 ACCESS 7154 FLAG 00
NUM AVAILABLE TRACKS 1224	CH 3 ACCESS 7154 FLAG 00
FLAGS / INTERLOCK ACGL 016641 0000 I. A	BIT 21 IS MAINTENANCE MODE O
DA ECS CHAIN FIRST TRACK 0000	MEMORY TYPE - 3 BIT VALUE 0
DIRECT ACCESS FILE CNT 1156	CPU TYPE - 3 BIT VALUE 0
FIRST TRACK IGFT 0000	PP PATH TYPE - 3 BIT VALUE 0
REDEFINITION STATUSES OI  PF UTILITY INTERLOCK OO	RESERVED 00
LCS ADDRESS MST/TRT SDGL 016642 00000000	ALGORITHM INDEX
ECS UPDATE COUNT 000000000	DAYFILE TRACK DULL 016654 0000
MACHINE MASK INTERLOCK 00	ACCOUNT FILE TRACK 0000 ERRLOG TRACK 0000
FIRST TRACK TAPE ALGE 016643 4012 5J5 5K H	
LABEL TRACK 4000	SYSTEM TABLE TRACK 0000 FAMILY IDLE STATUS 0
FIRST TRACK PERMITS 4013	FAMILY ACTIVITY COUNT 101
NUMBER CATALOG TRACKS 0010	LOCAL STATUS FLAGS STLL 016655 0004 D 62 M A
FIRST TRACK DAT 0000	RESERVED 00
FAMILY UR PACK NAME PFGL 016644 16172303142310 NOSCLSHB	ERROR STATUS 00
DEVICE NUMBER 43	MACHINE ID 4135
RESERVED 00 REL UNIT MULTIUNIT DEV 0	CURRENT USER COUNT DAF 0015
KET ONLY MOUTHOUTH DEA	NEXT EQUIPMENT 00

```
RA =
         MST.6.7.11.12.13.14.
                                                         EXPRESS 11
                                                                        DSDI - V2.0
                                                                                        79/10/30. 10.59.52.
                                                                                                                 PAGE
0000000
                  16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH.
                                                                             NOS 1-8J03T/R28.
                                                                                                  NOS 1.4 STUDY DUMP - MASS STURAGE
NUM UNIT MULTIUNIT DEV
                                                                    ORIGINAL NUMBER UNITS
USER NUM PRIVATE PACK, PUGL 016645 00000000000000
                                                              /B
                                                                   LOCAL STATUS
DEVICE MASKS
                                               500200
                                                                    REDEF IN PROG/NULL EQ DDLL 016656 0
FLAGS AND DAT INDEX
                      MDGL 016646 1000
                                                       H J DI J
                                                                    RESERVED
FT-HT FLAG */* SECTOR LIMIT
                                      1200
                                                                    NUMBER PHYSICAL UNITS - 1
                                                                                                        00
DRIVER NAME
                                          0411
                                                                    EQUIPMENT UNIT LIST
                                                                                                          0000000000000041
O RESERVED FOR PPR USE
                                                                   LOCAL INSTAL AREA
                                                                                          ISLL 016657 00000000000000000000
SECTOR LIMIT
                                                  1200
RESERVED
                      RIGL 016647 000000000000000000000
GLOBAL INSTAL AREA
                      ISGL 016650 00000000000000000000
                      12GL 016651 00000000000000000000
ACTIVITY COUNT
                      DALL 016652 0000
UNIT INTERLOCKS
                                      0000
CURRENT POSITION
                                          5646
NEXT BEST POSITION
                                              7777
RESERVED
                                                  0000
        TRACK RESERVATION TABLE
016660 +0000 4001 4002 4003 4004 4017 1--- --- 1111 5A5B5C5D50
016661 +0004
             4005 4006 4007 4010 0017 ---- 1111
                                                       SESESGSH O
016662 +0010
             4011 0000 4052 0226 1417 ---- 1111 51 5)BVL0
016663 +0014
             0044 0040 0040 4020 7417 1111 ---- 1111 9 5 55P 0
016664 +0020 4021 0144 0112 4024 1417 ---11 ---- 1111 5QA9AJ5TLO
```

D/5\*7L(1 D

-AZAOAZ10

W 6M6 D

BNE 28-E 10

C C CBO O

F BERAA O

7N G8 = 0

BBGAOC D

66.6.6 0

B AVAQDA O

---- 1111 6 6 6 6 0

--1- ---- 1111 6 FP6 B\*HO

---1 ---- 1111 7M7P8/7KD0

4025 0145 4027 4030 1017 ---- 1111 5UA+5H5XH0

016666 +0030 0514 0157 0161 0166 3417 -111 ---- 1111 ELA.A A 10 016667 +0034 4035 0613 4037 0603 5017 1-1- ---- 1111 52FK54FC/0 016670 +0040 0042 0202 0067 0157 7417 1111 --- 1111 788 A. 0

016672 +0050 0450 0114 4053 4076 6017 11-- --- 1111 D/AL585 0 016673 +0054 0101 0104 0207 0055 7417 1111 ---- 1111 AAADBG 0 016674 +0060 0174 0176 0100 0105 7417 1111 ---- 1111 A A A A E O 016675 +0064 0127 0067 0131 4070 7417 1111 --- 1111 AW AY5 0

016701 +0104 0776 0001 0112 0026 7417 1111 ---- 1111 G AAJ V 0

016703 +0114 0162 4145 0253 0017 5417 1-11 ---- 1111 A 6+B\$ 0=0

016707 +0134 0136 0014 0107 0724 7417 1111 ---- 1111 A3 LAGGT 0 016710 +0140 0230 0360 0004 0126 7417 1111 ---- 1111 BXC DAY 0

016714 +0160 4161 4162 4163 4164 0017 ---- 1111 6 6 6 6 0 016715 +0164 4165 4166 4167 4170 0017 ---- 1111 6 6 6 6 0

016720 +0200 4201 0567 0246 0175 5417 1-11 ---- 1111 7AE B-A =0

016722 +0210 0120 0126 0324 0262 7017 111- --- 1111 APAVCTB 0

016724 +0220 4544 0204 4223 4224 3017 -11- --- 1111 +980757TX0 016725 +0224 4225 4226 4227 4230 0017 ---- 1111 7U7V7W7X 0

016671 +0044 0450 4047 4214 5134 7017 111- ---- 1111

016676 +0070 0054 0132 0133 0135 3417 -111 ---- 1111

016677 +0074 0027 0074 4115 4100 6417 11-1 ---- 1111

016702 +0110 0003 0003 0003 0233 7417 1111 ---- 1111

016704 +0120 0066 0070 0127 0103 7417 1111 ---- 1111 016705 +0124 0006 0002 0522 0101 7417 1111 ---- 1111

016706 +0130 0002 1027 1066 0126 7417 1111 ---- 1111

016711 +0144 0075 4216 0007 0256 5417 1-11 ---- 1111

016712 +0150 0002 0207 0133 0376 7417 1111 ---- 1111

016713 +0154 0007 4156 4157 4160 6017 11-- --- 1111

016721 +0204 0273 0126 0121 0401 7417 1111 ---- 1111

016716 +0170 4171 4172 4173 4174 0017

016717 +0174 4175 0620 4177 0247 1017

016723 +0214 4215 4220 4350 4213 0417

016700 +0100 0216 0532 0246 0563 3417 -111 ---- 1111

016665 +0024

6

EQUIPMENT 14 - MASS STORAGE TABLE

DSDI -- V2.0 79/10/30. 10.59.52. PAGE 31 NOS 1-8JO3T/R2B. NOS 1.4 STUDY DUMP - MASS STURAGE

DSDI - V2.0 79/10/30. 10.59.52. PAGE 32 NOS 1-8JO3T/R28. NOS 1.4 STUDY DUMP - MASS STORAGE

NUMBER OF TRACKS	TDGL	017530	3150		Υ/	F 2 9	5 C
RESERVED			0000				-
LENGTH OF TRI			0632				
FIRST AVAIL TRACK PTR			4006				
NUM AVAILABLE TRACKS				0365			
FLAGS / INTERLOCK	ACG1	017531		0307		JS	A
DA ECS CHAIN FIRST TR		01.7.7.	0000				_
DIRECT ACCESS FILE CN			1223				
FIRST TRACK 10FT	•		0000				
REDEFINITION STATUSES				01			
PE UTILITY INTERLOCK				00			
ECS ADDRESS MST/TRT	SOCI	017532	00000000	00			
ECS UPDATE COUNT	JUUL	011732	0000000	00			
MACHINE MASK INTERLOC	<b>∠</b>		0000000	00			
FIRST TRACK TAPE	ALGL	017533	4043	00	585	50	5
LABEL TRACK	ALUL	017333	4000		202	27	7
FIRST TRACK PERMITS			4044				
NUMBER CATALOG TRACKS			0040				
FIRST TRACK DAT				0000			
FAMILY OR PACK NAME	06.01	017624	16172303142310	0000	NOSC		40 4
DEVICE NUMBER	770L	01/334	44		MD 2 (	. L. 3 I	19 A
RESERVED				00			
REL UNIT MULTIUNIT DE	v		'	0			
NUM UNIT MULTIUNIT DE	-			u			
USER NUM PRIVATE PACK	-	017676	0000000000000				APT
DEVICE MASKS	FUUL	01/939		2024			AP I
FLAGS AND DAT INDEX	MUCI	017536		2024	H 88		GF
FT-HT FLAG */* SECTOR		017336	4343		11 00	101	GF
DRIVER NAME	CIULI		0411				
O RESERVED FOR PPR US							
SECTOR LIMIT	3.6		0000	. 704			
RESERVED	01.01	A17637		0706			
GLOBAL INSTAL AREA	RIGL	017537					
GLUBAL INSTAL AKEA	ISGL	017540	00000000000000000				
ACTIVITY COUNT	ISCL	017541	000000000000000000000000000000000000000	0000		_	
ACTIVITY COUNT	DALL	017542				F	
UNIT INTERLOCKS			0000				
CURRENT POSITION			6506				

#### TRACK RESERVATION TABLE

NEXT BEST POSITION

RESERVED

7777

0000

ALLOCATION FLAGS DILL 017543 0000 CH 2 ACCESS 7154 FLAG 60 CH 1 ACCESS 7154 FLAG 61 CH 4 ACCESS 7154 FLAG 00 CH 3 ACCESS 7154 FLAG 00 BIT 21 IS MAINTENANCE MODE MEMORY TYPE - 3 BIT VALUE - 3 BIT VALUE CPU TYPE PP PATH TYPE - 3 BIT VALUE RESERVED 00 ALGORITHM INDEX DAYFILE TRACK DULL 017544 0000 ACCOUNT FILE TRACK 0000 ERRLOG TRACK 0000 SYSTEM TABLE TRACK 0000 FAMILY IDLE STATUS FAMILY ACTIVITY COUNT 000 LOCAL STATUS FLAGS STLL 017545 0000 62 D I RESERVED A ERROR STATUS 00 MACHINE ID 4135 CURRENT USER COUNT DAF 0004 NEXT EQUIPMENT ORIGINAL NUMBER UNITS LOCAL STATUS REDEF IN PROG/NULL EQ DDLL 017546 0 DC RESERVED NUMBER PHYSICAL UNITS - 1 01 EQUIPMENT UNIT LIST 0000000000000403

ISLL 017547 00000000000000000000

LOCAL INSTAL AREA

0002 0007 4433 4434 7017 111- --- 1111

017657 +0434 4435 4436 4437 4440 0017 ---- 1111 92939495 0

B 69091 0

017656 + 0430

DSDI - V2.0 79/10/30. 10.59.52. PAGE 33 NOS 1-8JO3T/R2B. NOS 1.4 STUDY DUMP - MASS STURAGE

DSDI - V2.0 79/10/30. 10.59.52. PAGE 35 NOS 1-8JO3T/R2B. NOS 1.4 STUDY DUMP - MASS STORAGE

PAGE

020042 +1350 6616 0014 0302 5354 1417 --11 ---- 1111 N LCBS=LD 020043 +1354 0614 5356 5357 5360 2017 -1-- --- 1111 FL\$,\$.\$ PO 020044 +1360 5361 5362 5364 3777 0017 ---- 1111 \$ \$ \$ 4 0 020045 +1364 5365 5366 5367 5370 0017 ---- 1111 \$ \$ \$ \$ 0 020046 +1370 0471 5372 5373 5374 2017 -1-- --- 1111 D \$ \$ \$ PO 020047 +1374 5375 0665 5377 0654 1017 --1- --- 1111 \$ F \$ F\*HQ 020050 +1400 0530 5402 0052 5404 6417 11-1 ---- 1111 EX=B J=D O 020051 +1404 0354 0006 5407 5410 3017 -11- --- 1111 C= F=G=HX0 020052 +1410 5411 5412 5413 5414 0017 ---- 1111 =I=J=K=L 0 020053 +1414 5415 5416 5417 5420 0017 ---- 1111 =M=N=U=P 0 020054 +1420 0112 0011 0216 5510 3017 -11- --- 1111 AJ IBN HXD 020055 +1424 0331 0043 5427 0232 7017 111- --- 1111 CY 8=WBZ 0 020056 +1430 5431 5432 5433 5434 4017 1--- ---- 1111 =Y=/=0=150 020057 +1434 5435 5436 5437 5440 0017 ---- 1111 =2=3=4=5 O 020060 +1440 5441 5442 5443 5444 0017 ---- 1111 =6=7=8=9 0 020061 +1444 5445 5446 0437 0043 0417 ---1 ---- 1111 =+=-D4 8D0 020062 +1450 5451 5452 5453 5454 4017 1--- ---- 1111 =(=)=\$==50 020063 +1454 0342 0114 5457 5460 3017 -11- ---- 1111 C7AL =. = X0 020064 +1460 0323 5462 5463 5464 2017 -1-- --- 1111 CS= = = PO 020065 +1464 5465 5466 5467 5470 0017 ---- 1111 = = = = 0 020066 +1470 5471 5472 5473 5474 0017 ---- 1111 = = = 0 020067 +1474 5475 5476 5477 5500 0017 ---- 1111 = = = 020070 +1500 5501 5502 5503 5504 0017 ---- 1111 ABCDO 020071 +1504 0570 5506 0233 0405 2017 -1-- --- 1111 E F80DEPO 020072 +1510 5537 5512 0234 5514 2417 -1-1 ---- 1111 4 JB1 LT0 020073 +1514 0145 0102 0103 5520 3417 -111 ---- 1111 A+ABAC P10 020074 +1520 0146 5522 0150 0105 2417 -1-1 ---- 1111 A- RA/AETO 020075 +1524 0203 0177 0102 5530 7417 1111 ---- 1111 BCA AB X O 020076 +1530 0241 0106 0111 0112 3417 -111 ---- 1111 B6AFAIAJIU 020077 +1534 0330 5536 0151 5540 6017 11-- --- 1111 CX 3A( 5 0 020100 +1540 5541 5626 0174 0026 1417 --11 ---- 1111 6.VA VLO 020101 +1544 5545 5546 5550 3777 4017 1--- 1111 + - /4 50 020102 +1550 5551 5552 5553 5554 0017 ---- 1111 () 5 = 0 020103 +1554 0416 3777 5557 5560 1017 --1- --- 1111 DN4 . HD 020104 +1560 5561 5562 5563 5564 0017 ---- 1111 020105 +1564 5565 0416 5567 5570 1017 --1- --- 1111 HO 020106 +1570 5571 5572 5573 5574 0017 ---- 1111 0 020107 +1574 5575 5576 5577 5600 0017 ---- 1111 020110 +1600 5601 5602 5603 5604 0017 ---- 1111 .A.B.C.D D 020111 +1604 5605 0022 5607 5610 1017 --1- ---- 1111 ,E R,G,HHO 020112 +1610 5611 5612 5613 5614 0017 ---- 1111 .I.J.K.L O 020113 +1614 5615 5616 5617 5620 0017 ---- 1111 , M , N , O , P O 5621 5622 5623 5624 0017 ---- 1111 ,Q,R,S,T 0 020114 +1620 020115 +1624 5625 0022 6021 0002 0417 --- 1 --- 1111 ,U R Q BOD 020116 +1630 5631 5632 5633 5634 4017 1--- --- 1111 , 17, 2, 0, 150 020117 +1634 5635 0062 0265 5656 1017 --1- ---- 1111 ,2 B ,,HD 020120 +1640 6624 0112 4725 0000 3016 -11- ---- 111-TAJOU XN 020121 +1644 5645 5646 5647 5650 4017 1--- --- 1111 ,+,-,+,/50 020122 +1650 5651 5652 5653 5654 0017 ---- 1111 (1)33=0 0011 0402 5657 0464 0017 ---- 1111 020123 +1654 108 . . 0 020124 +1660 5661 5662 5664 5660 0017 ---- 1111 , , , , 0 020125 +1664 5677 0151 5667 5670 3017 -11- ---- 1111 , A(, , XO 020126 +1670 5671 5672 5673 0275 0017 ---- 1111 , , , 8 0 020127 +1674 0071 0626 0000 5700 6015 11-- --- 11-1 FV . M 020130 +1700 5073 0133 0000 3777 2015 -1-- --- 11-1 / AO 4 PM 020131 +1704 0225 0000 0000 0000 0010 ---- 1--- BU H 020132 +1710 5711 5712 5713 5714 4017 1--- --- 1111 J.K.150

020223 +2254 0021 6256 0657 0025 6417 11-1 ---- 1111

9 .F. U 0

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NOS 1-8J03T/R28. NOS 1.4 STUDY DUMP - MASS STORAGE

020224 +2260 0014 0012 0005 0021 7417 1111 ---- 1111 L J E Q U 020225 +2264 0137 6266 0530 6320 6017 11-- --- 1111 A4 EX P 0 020226 +2270 0141 0201 0175 0065 7417 1111 ---- 1111 A6BAA D 020227 +2274 6275 6276 0171 0370 4417 1--1 ---- 1111 A C 90 020230 +2300 0001 0111 0514 6304 7417 1111 ---- 1111 AAIEL D O 020231 +2304 0253 0122 0000 3777 2015 -1-- ---- 11-1 BSAR 4 PM 020232 +2310 0000 0205 6313 6314 3007 -11- --- -111 BE K LXG 020233 +2314 6315 0070 6317 0132 1017 --1- --- 1111 M GAZHO 020234 +2320 6345 0267 0020 0000 3016 -11- ---- 111-+B P XN 020235 +2324 0000 0000 0000 0120 0401 ---1 ---- ---1 APDA 020236 +2330 0551 0302 0532 0505 7417 1111 ---- 1111 E(CBEZEE O 020237 +2334 0000 6336 0154 0056 2407 -1-1 ---- -111 3A= ,TG 0266 0131 0000 0002 6415 11-1 ---- 11-1 B AY B M 020240 +2340 020241 +2344 0112 6375 0000 5254 4415 1--1 ---- 11-1 AJ }-9M 020242 +2350 0000 0000 6353 6354 1003 --1- ---- --11 \$ =HC 020243 +2354 0145 6356 6357 6361 2017 -1-- --- 1111 A+ , . PO 020244 +2360 3777 6362 6363 6364 0017 ---- 1111 4 020245 +2364 6365 6366 6367 0311 0017 ---- 1111 CIO 020246 +2370 6371 6372 0133 0476 4417 1--1 ---- 1111 A00 90 020247 +2374 0000 6427 0131 6400 1407 --11 ---- -111 HAY LG 020250 +2400 6401 6402 6403 6404 0017 ---- 1111 ABCDG 020251 +2404 0347 0102 0465 0044 3417 -111 ---- 1111 C\*ABD 910 020252 +2410 0102 0160 0101 0066 7417 1111 ---- 1111 ABA AA O 020253 +2414 3777 0064 0041 0210 3417 -111 ---- 1111 4 6BH10 020254 +2420 6421 0200 6423 6424 5017 1-1- ---- 1111 QB S T/O 020255 +2424 0670 6426 0372 6465 2017 -1-- ---- 1111 F VC PO 020256 +2430 6431 0564 6433 6434 5017 1-1- --- 1111 YE 0 1/0 020257 +2434 6435 6436 6437 0347 0017 ---- 1111 2 3 4C\* 0 020260 +2440 6441 0316 0000 0000 4014 1--- 11--6CN 5L 020261 +2444 4767 0000 6653 0000 4012 1--- 1-1- + 5 5 020262 +2450 0071 0001 0177 0001 7417 1111 ---- 1111 AA A O 020263 +2454 0011 0107 0000 0000 6014 11-- --- 11--IAG 020264 +2460 0000 0000 0000 0000 0000 ----020265 +2464 0000 6506 0375 6470 1407 --11 ---- -111 020266 +2470 6471 6472 0422 6474 0417 ---1 ---- 1111 DR DO 020267 +2474 6475 0205 6477 6500 1017 --1- ---- 1111 8 E 020270 +2500 0012 0366 0345 0366 3417 -111 ---- 1111 JC C+C 10 020271 +2504 0346 0345 6610 0020 6417 11-1 ---- 1111 C-C+ H P D 020272 +2510 0004 0040 0014 0002 7417 1111 ---- 1111 0 5 L B O 020273 +2514 0162 6516 0160 0003 6417 11-1 ---- 1111 A NA CO 020274 +2520 6521 0625 0161 0001 5417 1-11 ---- 1111 OFUA A=D 020275 +2524 0011 0011 0410 0002 7417 1111 ---- 1111 I IDH B O 020276 +2530 0015 0102 6533 0317 7017 111- ---- 1111 MAB OCO O 020277 +2534 0027 0007 0007 0003 7417 1111 ---- 1111 WGGCO 020300 +2540 0003 0015 0015 0015 7417 1111 ---- 1111 CHMMO 020301 +2544 0015 6546 0157 6550 6417 11-1 ---- 1111 M -A- / O 020302 +2550 0270 6552 6553 0061 2017 -1-- --- 1111 B ) \$ PO 020303 +2554 0027 3777 6557 0321 5017 1-1- ---- 1111 W4 .CQ/0 020304 +2560 0642 0645 0001 6564 7417 1111 ---- 1111 F7F+ A 0 020305 +2564 6567 3777 3777 0063 0017 ---- 1111 020306 +2570 3777 0001 0001 0001 3417 -111 ---- 1111 4 A A A10 020307 +2574 0001 0001 0001 0000 7016 111- ---- 111-A A A N 020310 +2600 0035 0055 0151 0000 7016 111- --- 111-2 AL N 020311 +2604 0001 0001 0001 0246 7417 1111 ---- 1111 A A AB- O 020312 +2610 6635 0364 0463 0165 3417 -111 ---- 1111 2C D A 10 020313 +2614 0001 6620 4625 0027 6417 11-1 ---- 1111 A P-U W O 020314 +2620 0016 0000 0000 4770 0411 ---1 --- 1--1 N + DI

RA = MST-6-7-11-12-13-14. EXPRESS 11 0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. 020315 +2624 6647 0000 0022 0142 1413 --11 --- 1-11 \* RA7LK 020316 +2630 0000 0115 0113 0516 3407 -111 ---- -111 **AMAKENIG** 020317 + 2634 0000 6654 0331 0352 1407 --11 ---- -111 \*CYCHG 020320 +2640 0000 0000 0000 0015 0401 ---1 ---- ---1 MDA 020321 +2644 5065 0260 0000 6671 0015 ---- 11-1 / B M 020322 +2650 0000 6670 0000 6645 0005 ---- -1-1 020323 +2654 6660 0105 0151 0432 3417 -111 ---- 1111 AEACDZ10 020324 +2660 6662 0421 6663 5350 2017 -1-- ---- 1111 DQ \$/PO 020325 +2664 0000 0000 0000 0042 0401 ---1 ---- ---1 7DA 020326 +2670 0301 0031 0000 4772 0015 ---- 11-1 CA Y \* M 020327 +2674 0000 0000 0000 0000 0000 ---- ----020332 +2710 0000 3777 0000 0000 0004 ---- -1-- 4 020333 +2714 0000 0000 0000 0000 0000 ---- ----020336 +2730 5235 0000 0000 0000 0010 ---- 1--- 12 020337 +2734 0000 0000 0000 0000 0000 ---- ----020351 +3004 0000 0000 3777 0000 0002 ---- --- --- 4 В 020352 +3010 0000 0000 0000 0000 0000 ---- ----020363 +3054 0000 0000 0000 3777 0001 ---- ----1 020364 +3060 0000 0000 0000 0000 0000 ---- ----------020373 +3114 7115 7116 7133 0000 0016 ---- 111- M N O N 020374 +3120 0000 0000 0000 0000 ---- ----020375 +3124 3777 0000 0000 0000 0010 ---- 1--- 4 Ħ 020376 +3130 0000 0000 0000 7134 0001 ---- ----1 1 A 020377 +3134 7142 0000 0000 0000 0010 ---- 7 H 020400 +3140 0000 0000 7144 0000 0002 ---- ----В 020401 +3144 0263 0000 0000 0000 0010 ---- B н LVO

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#### **EVALUATION FORM**

Course	Seminar Name Date of Attendance From To
Instruc	ctor Location
Pi	lease place a rating in the box for each area and then add comments explaining your rating
	Rating Key
	Excellent 5 Very Good 4 Good 3 Fair 2 Poor 1
The Co	ourse/Seminar
*	How well did the course/seminar cover the stated objectives?
*	To what degree will the course/seminar be helpful in improving on-the-job performance?
*	To what extent were the handout materials and visuals helpful in aiding your understanding of the topic?
*	What is your overall rating of the organization and content of the course/seminar?
The Ins	structor
*	How do you rate the instructor's knowledge of the material and ability to answer questions?
*	How effective was the instructor in presenting the material in an understandable manner?
*	How effective was the instructor in generating and sustaining interest in the course/seminar?
*	How do you rate the instructor's responsiveness to the needs of participants?
*	What is your overall rating of the instructor?
The Fac	cilities
*	How do you rate the appropriateness of the facilities to the topic and means of presentation?
*	To what extent were the facilities comfortable, well-lighted and heated or cooled?
*	How convenient was the location of the facility?

### **EVALUATION FORM**

## Page 2

### **General Comments**

*	What changes in the course/seminar	would you n	nake if you were the instructor?
			•
*	Would you recommend this course/se department? Why?	eminar to ot	hers in your company or
*	Please list colleagues or associates wh courses/seminars.	o should rec	eive advance notices of similar
1)	Name	2)	Name
	Organization	····	Organization
	Address	<del></del>	Address
	•	· ——	
	Bus. Tel. No.	<del></del>	Bus. Tel. No.
3)	Name	4)	Name
	Organization		Organization
	Address	<del></del>	Address
	·		
	Bus. Tel. No.	<del></del>	Bus. Tel. No.
*	Should this course be offered at you to manage it?	r company s	ite? If so, who should be contacted
*	If we may use your comments in fut sign below.	ure descripti	ons of the course/seminar, please
Sign	nature	<del></del>	
	(Optional)		

#### PARTICIPANT INFORMATION FORM

In order for our seminars/courses to be most effective, they need to take into account the characteristics, needs and objectives of the people who attend them. The information asked for below will assist us in keeping our presentations relevant to the participants and in developing and scheduling new presentations that will meet participant needs. Please complete this form and leave it with the presenter at the next break.

Seminar/Course Title	Date of Presentation			
Name	Field or Type of Business			
Title	Years of Experience			
Business Address	Supervisor's Title			
	Last professional degree			
List your three primary objectives in attending	ng this seminar.			
1				
2.				
3				
Will this course/seminar be credited toward c	ertification/training requirements?			
Double to reduce of improved on the control of	. 6 41.			
Rank in order of importance in your choice				
Instructor Date Loca	tion Employer's Preference			
Previous courses/seminars attended relating to	o this topic.			
1	•			
2				
3.				
Topics for additional courses/seminars in whi	ch you would be interested.			
1.				
2				
3				

### PARTICIPANT INFORMATION FORM

Page 2

What trade journals/magazines do you regularly read or in your profession?	subscribe	to in c	order to	keep	abreas
1.	<del></del>				
2.					
3.					
How did you become aware of this course/seminar?					
Schedule/Catalogue,		,			
Direct Mail Brochure,					
Recommendations of Supervisor,					
Recommendation of Colleague,					
Corporate Training Department,					
Other					

# CUT ALONG LINE

#### **COMMENT SHEET**

ату:	STATE:	ZIP CODE:
STREET ADDRESS:		
COMPANY:		
NAME:		
PUBLICATION NO.: FH40	10-1 R	EVISION: C
MANUAL TITLE: NOS A	NALYSIS	

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